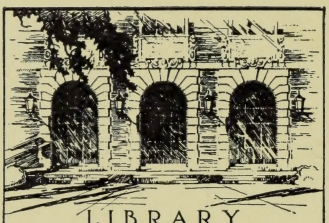

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OF THE

MEDICAL DEPARTMENT

ESTABLISHED IN CONNECTION WITH THE JOHNS HOPKINS HOSPITAL

BALTIMORE, MARYLAND
PUBLISHED BY THE UNIVERSITY
ISSUED MONTHLY FROM OCTOBER TO JULY
OCTOBER, 1911

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THE

JOHNS HOPKINS UNIVERSITY

MEDICAL DEPARTMENT

ESTABLISHED IN CONNECTION WITH THE JOHNS HOPKINS HOSPITAL

CATALOGUE AND ANNOUNCEMENT FOR 1911-1912

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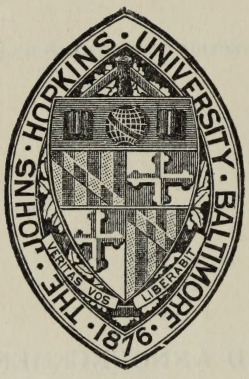
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1911

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CALENDAR, 1911-1912

1911.

October 3 (Tuesday)—Instruction begins. Nineteenth academic year.

November 30 (Thursday)—Thanksgiving Day. All classes suspended.

December 4 (Monday)—Instruction resumed.

December 23 (Saturday evening)—The Christmas Recess begins.

1912

January 2 (Tuesday)—Instruction resumed.

February 22 (Thursday)—Commemoration Day. All classes suspended. Public exercises at 11 o'clock.

April 4 (Thursday)—The Easter Recess begins.

April 11 (Thursday)—Instruction resumed.

May 1 (Wednesday)—Last day of application for the Hopkins Scholarships offered to medical students from North Carolina and Virginia.

June 11 (Tuesday)—Commencement Day. Public exercises at 4 o'clock.

September 27 (Friday)—Candidates for admission will assemble in the auditorium of the Physiological building (East Monument and Washington streets), at 10 a. m.

October 1 (Tuesday)—Instruction resumed. Twentieth academic year.

The Treasurer's office is at 712 N. Howard street, and is open daily from 9 a. m. to 4.15 p. m.

The office of the Registrar of the Medical Department is in the Physiological building, near the corner of East Monument and Washington streets, and is open daily from 9 a. m. to 5 p. m.

For catalogue and general information, address the Registrar of the Medical Department, The Johns Hopkins University, Baltimore, Maryland.

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Henry Barton Jacobs, M. D.

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The names are arranged in the several groups in the order of appointment.

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B. N. Baker Professor of Chemistry.

A. B., College of the City of New York, 1865; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1867; Ph. D., University of Göttingen, 1870; LL. D., Columbia University, 1893, Princeton University, 1896, Yale University, 1901, University of Toronto, 1902, Harvard University, 1909, Pennsylvania College, 1910; D. C. L., University of the South, 1907; Professor of Chemistry in Williams College, 1872-76, and previously Assistant in Chemistry in the University of Tübingen; Foreign Member, Chemical Society of London; Honorary Member, Chemical Society of France; Secretary of the Academic Council, 1887-1901; Director of the Chemical Laboratory, 1876-1908; President of the National Academy of Sciences; Medalist of the Society of Chemical Industry, 1904; and President, 1909-10; *Editor of the American Chemical Journal.*

214 W. Monument St.

PROFESSORS

WILLIAM H. WELCH, M. D., LL. D.

Baxley Professor of Pathology

A. B., Yale University, 1870; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1875; M. D. (Hon.), University of Pennsylvania, 1894; LL. D., Western Reserve University, 1894, Yale University, 1896, Harvard University, 1900, University of Toronto, 1903, Columbia University, 1904, Jefferson Medical College, 1907, and Princeton University, 1910; Professor of Pathological Anatomy and General Pathology in the Bellevue Hospital Medical College, N. Y., 1879-84; Dean of the Medical Faculty, 1889-98; Member of the National Academy of Sciences; President of the Board of Directors of the Rockefeller Institute for Medical Research; President of the American Association for the Advancement of Science, 1906; President of the American Medical Association; *Pathologist to the Johns Hopkins Hospital.*

807 St. Paul St.

WILLIAM OSLER, M. D., LL. D., D. C. L., F. R. S.

Honorary Professor of the Principles and Practice of Medicine

M. D., McGill University, 1872; LL. D., McGill, 1895, Aberdeen, 1898, Toronto, 1899, Yale, 1901, Harvard, 1904, Johns Hopkins, 1905; D. C. L., Edinburgh, 1898, and Trinity (Toronto), 1902; M. D. (Hon.), Oxford, 1905; Fellow of the Royal Society of London; Fellow of the Royal College of Physicians, London; Professor of the Institutes of Medicine, McGill University, 1874-84; Professor of Clinical Medicine, University of Pennsylvania, 1884-89; Dean of the Medical Faculty, 1898-99; Professor of the Principles and Practice of Medicine, Johns Hopkins University, 1889-1905; Physician-in-Chief, the Johns Hopkins Hospital, 1889-1905; Regius Professor of Medicine, University of Oxford.

Oxford, England

HENRY M. HURD, M. D., LL. D.

Professor Emeritus of Psychiatry

A. B., University of Michigan, 1863, M. D., 1866, A. M., 1870, and LL. D., 1895; Professor of Psychiatry, Johns Hopkins University, 1889-1906; Superintendent of the Eastern Michigan Hospital, 1878-89; Superintendent of the Johns Hopkins Hospital, 1889-1911; Editor of the Johns Hopkins Hospital Bulletin and of the Johns Hopkins Hospital Reports, 1889-1911; *Editor of the American Journal of Insanity; Secretary, the Johns Hopkins Hospital.*

1023 St. Paul St.

*Corrected to September 1, 1911.

HOWARD A. KELLY, M. D., LL. D., Hon. F. R. C. S.

Professor of Gynecology

A. B., University of Pennsylvania, 1877, and M. D., 1882, LL. D., University of Aberdeen, and Washington and Lee University, 1906, University of Pennsylvania, 1907; Associate Professor of Obstetrics, University of Pennsylvania, 1888-89; Professor of Gynecological Surgery in the Johns Hopkins University, 1889-99; Honorary Member, Royal Medical Society of Edinburgh; Associate Foreign Member, Society of Obstetrics, Gynecology and Pediatrics, and Chirurgical Society, Paris; Corresponding Member, Obstetrical Society, Leipzig; Fellow, British Gynecological Society; Hon. Fellow, Edinburgh Obstetrical Society; Royal College of Surgeons, Edinburgh; Glasgow Obstetrical and Gynecological Society, Royal Academy of Medicine (Ireland); Hon. Member, Italian Society of Obstetrics and Gynecology, Rome; *Gynecologist in Chief to the Johns Hopkins Hospital.*

1406 Eutaw Place

WILLIAM S. HALSTED, M. D., D. Sc., LL. D., Hon. F. R. C. S.

Professor of Surgery

A. B., Yale University, 1874; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1877; LL. D., Yale University, 1904; Edinburgh, 1905; D. Sc., Columbia University, 1904; Honorary Fellow, Royal College of Surgeons, England, 1900, and Edinburgh, 1905; formerly Attending Surgeon to the Presbyterian and Bellevue Hospitals, Chief Surgeon to the Roosevelt Hospital Dispensary, Associate Attending Surgeon to Roosevelt Hospital, and Surgeon in Chief to the Emigrant Hospital, New York; *Surgeon in Chief to the Johns Hopkins Hospital.*

1201 Eutaw Place

FRANKLIN P. MALL, M. D., Sc. D., LL. D.

Professor of Anatomy

M. D., University of Michigan, 1883, A. M., (Hon.), 1900, and Sc. D., 1908; LL. D., University of Wisconsin, 1904; Fellow, Johns Hopkins University, 1886-88, and Instructor in Pathology and Bacteriology, 1888-89; Adjunct Professor of Vertebrate Anatomy, Clark University, 1889-92; Professor of Anatomy, University of Chicago, 1892-93; Member of the National Academy of Sciences; *Co-editor of the American Journal of Anatomy and of the Journal of Morphology.*

1514 Bolton St.

JOHN J. ABEL, M. D.

Professor of Pharmacology

Ph. B., University of Michigan, 1883, and A. M. (Hon.), 1903; M. D., University of Strassburg, 1888; Professor of Materia Medica and Therapeutics, University of Michigan, 1891-93; Hon. Member Philadelphia College of Pharmacy; Corresponding Member K. K. Gesellschaft der Aerzte, Vienna; *Editor of the Journal of Pharmacology and Experimental Therapeutics.*

Charles St. Av. (P. O. Sta. L).

WILLIAM H. HOWELL, Ph. D., M. D., Sc. D., LL. D.

Professor of Physiology

A. B., Johns Hopkins University, 1881, Fellow, 1882-84, and Ph. D., 1884; LL. D., Trinity College, (Conn.), 1901; Sc. D., Yale University, 1911; Assistant in Biology, 1884-85, Associate, 1885-88, and Associate Professor, 1888-89; M. D. (Hon.), University of Michigan, 1890, and Lecturer and Professor of Physiology and Histology, University of Michigan, 1889-92; Associate Professor of Physiology, Harvard University, 1892-93; Member of the National Academy of Sciences; Dean of the Medical Faculty, 1899-1911; *Associate Editor of the American Journal of Physiology.*

232 W. Lanvale St.

J. WHITRIDGE WILLIAMS, M. D., D. Sc.

Professor of Obstetrics and Dean

A. B., Johns Hopkins University, 1886; M. D., University of Maryland, 1888 and D. Sc. (Hon.), 1907; Associate in Obstetrics, 1893-96, and Associate Professor, 1896-99; Gynecologist, Union Protestant Infirmary; Director of the Johns Hopkins Dispensary, 1907-1910; *Obstetrician in Chief to the Johns Hopkins Hospital.*

1128 Cathedral St.

LEWELLYS F. BARKER, M. D., LL. D.

Professor of Medicine

M. B., University of Toronto, 1890, and M. D. (Hon.), 1905; LL. D., Queen's University, 1908, and McGill University, 1911; House Officer, Toronto General Hospital, 1890-91; Assistant Physician, Assistant Resident Pathologist, and Resident Pathologist, the Johns Hopkins Hospital, 1891-1900; Fellow in Pathology, Johns Hopkins University, 1892-94, Associate in Anatomy, 1894-97, Associate Professor of Anatomy, 1897-90, and Associate Professor of Pathology, 1899-1900; Professor and Head of the Department of Anatomy, University of Chicago, 1900-04, and Professor of Medicine, Rush Medical College, 1904-05; *Physician in Chief to the Johns Hopkins Hospital.*

1035 N. Calvert St.

WILLIAM S. THAYER, M. D., LL. D.

Professor of Clinical Medicine

A. B., Harvard University, 1885, and M. D., 1889; LL. D., Washington College, 1907; Resident Physician, the Johns Hopkins Hospital, 1891-98, Associate and Associate Professor of Medicine, Johns Hopkins University, 1895-1905; Associate in Medicine, the Johns Hopkins Hospital, 1899-1905; Head of the Medical Clinic, the Johns Hopkins Dispensary, 1898-1905; *Associate Physician, the Johns Hopkins Hospital.*

406 Cathedral St.

WALTER JONES, PH. D.

Professor of Physiological Chemistry

A. B., Johns Hopkins University, 1888, and Ph. D., 1891; Professor of Natural Science, Wittenberg College, 1891-92; Professor of Analytical Chemistry, Purdue University, 1892-95; Assistant in Physiological Chemistry and Toxicology, Johns Hopkins University, 1896-99; Associate, 1899-1901; Associate Professor, 1901-1908.

2621 St. Paul St.

ADOLF MEYER, M. D., LL. D.

Professor of Psychiatry

Zürich Gymnasium; M. D., University of Zürich, 1892; LL. D., University of Glasgow, 1901, and Clark University, 1909; Honorary Fellow and Docent in Neurology, University of Chicago, 1892-95; Pathologist and Director of Clinical Laboratory Work, Worcester (Mass.) Hospital for the Insane, and Docent in Psychiatry, Clark University, 1895-1902; Director of the Pathological (Psychiatric) Institute, New York State Hospitals, Ward's Island, 1902-1910; Professor of Psycho-Pathology, Cornell University, 1904-1909.

1012 N. Calvert St.

CLINICAL PROFESSORS

WILLIAM D. BOOKER, M. D.

Clinical Professor Emeritus of Pediatrics

M. D., University of Virginia, 1867; Visiting Physician, St. Agnes Hospital, 1894-95; Physician in charge of the Thomas Wilson Sanitarium, Baltimore, 1881-98; Clinical Professor of Pediatrics, Johns Hopkins University, 1889-1909; Associate in Pediatrics, the Johns Hopkins Hospital and Dispensary, 1889-1909.

208 W. Monument St.

JOHN N. MACKENZIE, M. D.

Clinical Professor of Laryngology and Rhinology

M. D., University of Virginia, 1876, and New York University, 1877; Corresponding Fellow of the Laryngological, Rhinological, and Otological Association of Great Britain; Corresponding Fellow of the Royal Academy of Medicine; Corresponding Member of the Laryngological, Rhinological, and Otological Society of France; *Laryngologist to the Johns Hopkins Hospital and Dispensary.*

879 Park Av.

SAMUEL THEOBALD, M. D.

Clinical Professor of Ophthalmology and Otology

M. D., University of Maryland, 1867; Surgeon to the Baltimore Eye, Ear and Throat Charity Hospital; Oculist and Aurist to the Home for Incurables; *Ophthalmic and Aural Surgeon to the Johns Hopkins Hospital and Dispensary.*

970 N. Howard St.

HENRY M. THOMAS, M. D.

Clinical Professor of Neurology

M. D., University of Maryland, 1884; A. M., (Hon.), Johns Hopkins University, 1902; *Neurologist to the Johns Hopkins Hospital and Dispensary.*

1228 Madison Av.

J. WILLIAMS LORD, M. D.

Clinical Professor of Dermatology

A. B., Johns Hopkins University, 1884; M. D., University of Pennsylvania, 1887; *Dermatologist to the Johns Hopkins Hospital and Dispensary.*

1011 N. Charles St.

T. CASPAR GILCHRIST, M. D., M. R. C. S., L. S. A. (Eng.)

Clinical Professor of Dermatology

M. R. C. S., and L. S. A., London, 1887; M. D. (Hon.), University of Maryland, 1907; Honorary Member of the Society of Dermatology and Syphilis of Italy; *Dermatologist to the Johns Hopkins Hospital and Dispensary.*

330 N. Charles St.

HENRY J. BERKLEY, M. D., D. Sc.

Clinical Professor of Psychiatry

M. D., University of Maryland, 1881; D. Sc. (Hon.), 1907; Consulting Neurologist, St. Joseph's Hospital; Visiting Physician, City Detention Hospital, Bay View.

1305 Park Av.

ASSOCIATE PROFESSORS

JOHN M. T. FINNEY, M. D.

Associate Professor of Surgery

A. B., Princeton University, 1884; M. D., Harvard University, 1888; Surgeon to the Union Protestant Infirmary; Associate in Surgery, Johns Hopkins University, 1893-97; *Associate in Surgery, the Johns Hopkins Hospital, and Head of the Surgical Clinic, the Johns Hopkins Dispensary.*

1300 Eutaw Place

WILLIAM W. RUSSELL, M. D.

Associate Professor of Gynecology

M. D., University of Pennsylvania, 1890; Resident Gynecologist, the Johns Hopkins Hospital, 1894-95; Associate in Gynecology, Johns Hopkins University, 1895-99; Head of the Gynecological Clinic, the Johns Hopkins Dispensary, 1895-1906; *Associate in Gynecology, the Johns Hopkins Hospital.*

1208 Eutaw Place

THOMAS S. CULLEN, M. B.

Associate Professor of Gynecology

M. B., University of Toronto, 1890; Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1892-96, and Resident Gynecologist, 1896-97; Instructor in Gynecology, Johns Hopkins University, 1895-97; Associate, 1897-99; *Associate in Gynecology, the Johns Hopkins Hospital.*

3 W. Preston St.

ROBERT L. RANDOLPH, M. D.

Associate Professor of Ophthalmology and Otology

M. D., University of Maryland, 1884, A. M. (Hon.), Johns Hopkins University, 1902; Assistant in Ophthalmology, Vienna Polyclinic, 1886; Associate in Ophthalmology and Otology, Johns Hopkins University, 1896-1901; *Assistant Ophthalmic and Aural Surgeon, the Johns Hopkins Hospital and Dispensary.*

609 Park Ave.

THOMAS B. FUTCHER, M. D.

Associate Professor of Medicine

M. B., University of Toronto, 1893; Assistant Resident Physician, the Johns Hopkins Hospital, 1894-1898; Resident Physician, 1898-1901; Instructor in Medicine, Johns Hopkins University, 1896-1897; Associate, 1897-1901; *Associate in Medicine, the Johns Hopkins Hospital and Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

23 W. Franklin St.

JOSEPH C. BLOODGOOD, M. D.

Associate Professor of Surgery

S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; Resident Surgeon, the Johns Hopkins Hospital, 1893-97; Assistant, Instructor and Associate in Surgery, Johns Hopkins University, 1895-1903; *Associate in Surgery, the Johns Hopkins Hospital.*

904 N. Charles St.

HARVEY CUSHING, M. D.

Associate Professor of Surgery

A. B., Yale University, 1891; A. M. and M. D., Harvard University, 1895; Resident Surgeon, the Johns Hopkins Hospital, 1896-1900; Assistant, Instructor and Associate in Surgery, Johns Hopkins University, 1898-1903; Professor of Surgery (Elect), Harvard University; *Associate in Surgery, the Johns Hopkins Hospital and Director of the Hunterian Laboratory.*

107 E. Chase St.

HUGH H. YOUNG, M. D.

Associate Professor of Genito-Urinary Surgery

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; Assistant Resident Surgeon, the Johns Hopkins Hospital, 1895-98; Instructor and Associate in Genito-Urinary Surgery, Johns Hopkins University, 1893-1904; *Associate in Surgery, the Johns Hopkins Hospital, Head of the Genito-Urinary Clinic, the Johns Hopkins Dispensary.*

330 N. Charles St.

WARREN HARMON LEWIS, M. D.

Associate Professor of Anatomy

S. B., University of Michigan, 1894, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Assistant, Instructor and Associate in Anatomy, 1900-1904; *Co-Editor of The Anatomical Record.*

1931 E. 31st St.

FLORENCE R. SABIN, M. D., Sc. D.

Associate Professor of Anatomy

S. B., Smith College, 1893, Sc. D., 1910, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; Holder of Woman's Fellowship in Anatomy, 1901-1902; Assistant, Instructor and Associate in Anatomy, 1902-1905; *Co-Editor of The Anatomical Record.*

1431 Park Ave.

THOMAS McCRAE, M. D.

Associate Professor of Medicine and Clinical Therapeutics

A. B., University of Toronto, 1891, Fellow in Biology, 1892-94, M. B., 1895, and M. D., 1903; Fellow of the Royal College of Physicians, London; Assistant Resident and Resident Physician, the Johns Hopkins Hospital, 1896-1904; Instructor and Associate in Medicine, and Clinical Therapeutics, the Johns Hopkins University, 1899-1906; *Associate in Medicine, the Johns Hopkins Hospital, and Director and Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

935 St. Paul St.

WILLIAM WEBBER FORD, M. D.

Associate Professor of Hygiene and Bacteriology and Lecturer in Legal Medicine

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; D. P. H., McGill University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1898-99; Fellow in Pathology, McGill University, 1899-1901; Fellow, Rockefeller Institute for Medical Research, 1901-02; Institute for Infectious Diseases, Berlin, 1901-1902 and Johns Hopkins University, 1902-1903; Instructor, Associate and Associate Professor of Bacteriology, Johns Hopkins University, 1904-1910.

1134 Cathedral St.

MAX BROEDEL

Associate Professor of Art as Applied to Medicine

Academy of Arts, Leipzig, 1885-90; Illustrator, University of Leipzig, until 1894; Instructor in Art as Applied to Medicine, Johns Hopkins University, 1905-1906.

707 N. Carrollton Av.

J. MORRIS SLEMONS, M. D.

Associate Professor of Obstetrics

A. B., Johns Hopkins University, 1897, and M. D., 1901; Resident House Officer and Clinical Assistant in Obstetrics and Resident Obstetrician, the Johns Hopkins Hospital, 1901-1904; Assistant, Instructor and Associate in Obstetrics, Johns Hopkins University, 1902-1909; *Assistant in Obstetrics, the Johns Hopkins Hospital.*

23 W. Chase St.

SAMUEL AMBERG, M. D.

Associate Professor of Pediatrics

M. D., University of Heidelberg, 1898; Assistant, Instructor and Associate in Pediatrics, Johns Hopkins University, 1900-1910; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

1220 Linden Av.

WILLIAM STEVENSON BAER, M. D.

Associate Professor of Orthopedic Surgery

A. B., Johns Hopkins University, 1894, and M. D., 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-99, Assistant Resident Surgeon, 1899-1900; Assistant, Instructor and Associate in Orthopedic Surgery, Johns Hopkins University, 1900-1910; *Associate in Orthopedic Surgery, the Johns Hopkins Hospital.*

4 E. Madison St.

DONALD R. HOOKER, M. D.

Associate Professor of Physiology

A. B., Yale University, 1899, M. S., 1901; M. D., Johns Hopkins University, 1905; Graduate Student, University of Berlin, 1905-1906; Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-1910.

Cedar Lawn, Homeland Av., Govans.

CARL VOEGTLIN, Ph. D.

Associate Professor of Pharmacology

Ph. D., University of Freiburg (Baden), 1903; Instructor in Chemistry, University of Wisconsin, 1904-05; Assistant in Medicine, Chemical Division of the Medical Clinical Laboratory, and Associate in Pharmacology, the Johns Hopkins University, 1906-1910.

227 W. Monument St.

GEORGE HOYT WHIPPLE, M. D.

Associate Professor of Pathology

A. B., Yale University, 1900; M. D., Johns Hopkins University, 1905; Assistant, Instructor and Associate in Pathology, Johns Hopkins University, 1905-1910; Pathologist, Bay View, 1906-07; Pathologist, Ancon Hospital, Panama, 1907-08; Assistant Resident Pathologist, the Johns Hopkins Hospital, 1908-09; *Resident Pathologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

THOMAS R. BOGGS, M. D.

Associate Professor of Medicine

S. B., University of Georgia, 1896, and Graduate Student, 1896-1897; M. D., Johns Hopkins University, 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-1902; Acting Assistant Resident, 1902-03; Assistant and Associate in Medicine, Johns Hopkins University, 1903-1911; Assistant Resident Physician in charge of the Medical Bacteriological Laboratory, the Johns Hopkins Hospital, 1904-1905; Resident Physician, the Johns Hopkins Hospital and Medical Adviser to the Medical Students, 1908-1911; *Physician in Chief, City Hospital, Baltimore.*

21 W. Chase St.

CHARLES D. SNYDER, Ph. D.

Associate Professor of Physiology

A. B., Leland Stanford, Jr., University, 1896; M. S., and Ph. D., University of California, 1904 and 1905; Holder of Columbia University Table at Zoological Station, Naples, 1906; Medical Student, Universities of Berlin and München, 1906-1907, and Summer of 1908; Fellow, Instructor and Associate in Physiology, Johns Hopkins University, 1907-1911.

Charles St. Ave. (P. O. Sta. L.)

LECTURER

CHARLES WARDELL STILES, Ph. D., D. Sc.

Lecturer on Medical Zoology

A. M., Ph. D., University of Leipzig, 1890; M. S. (Hon.), Wesleyan University, 1896; D. Sc. (Hon.), Wesleyan University, 1906; Corresponding Member, Society of Biology and Academy of Medicine (Paris); Zoologist, U. S. Bureau of Animal Industry, 1891-1902; Professor of Zoology, of U. S. Public Health and Marine-Hospital Service, Washington, D. C.; Secretary, International Commission on Zoological Nomenclature, Scientific Secretary, Rockefeller Sanitary Commission for the Eradication of Hookworm Disease.

Hygienic Laboratory, 25th and E Sts., Washington

ASSOCIATES

FRANK R. SMITH, M. D.

Associate in Medicine

A. M., University of Cambridge (England), 1882; M. D., University of Maryland, 1891; Assistant Resident Physician, the Johns Hopkins Hospital, 1891-93; Instructor in Medicine, Johns Hopkins University, 1895-1901; *Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

1126 Cathedral St.

GUY LEROY HUNNER, M. D.

Associate in Gynecology

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897, and Instructor in Gynecology, 1901-1902; Resident House Officer, and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1897-1900, and Resident Gynecologist, 1901-1902; *Associate in Gynecology, the Johns Hopkins Hospital.*

2305 St. Paul St.

LOUIS P. HAMBURGER, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1893, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Assistant and Instructor in Medicine, Johns Hopkins University, 1899-1904; *Assistant Physician, the Johns Hopkins Dispensary.*

1207 Eutaw Place

THOMAS R. BROWN, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1892, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Instructor in Medicine, Johns Hopkins University, 1899-1904; *Physician in charge of the Medical Clinic, the Johns Hopkins Dispensary.*

19 W. Biddle St.

RICHARD H. FOLLIS, M. D.

Associate in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Externe, Assistant Resident and Resident Surgeon, the Johns Hopkins Hospital, 1899-1905; Instructor in Surgery, Johns Hopkins University, 1902-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary and Associate in Surgery, the Johns Hopkins Hospital.*

3 E. Read St.

GEORGE WALKER, M. D.

Associate in Surgery

M. D., University of Maryland, 1889; Instructor in Surgery, Johns Hopkins University, 1900-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

529 N. Charles St.

FREDERICK H. BAETJER, M. D.

Associate in Surgery in charge of Actinography

A. B., Johns Hopkins University, 1897, and M. D., 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-02; Assistant in Surgery, Johns Hopkins University, 1903-1906; *Associate in Actinography, the Johns Hopkins Hospital.*

4 E. Madison St.

CURTIS F. BURNAM, M. D.

Associate in Gynecology

A. B., Central University (Ky.), 1895; M. D., Johns Hopkins University, 1900; Resident House Officer and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1900-1904; Assistant in Gynecology, Johns Hopkins University, 1907-1908; *Associate in Gynecology, the Johns Hopkins Hospital.*

1718 Eutaw Place

CLARENCE B. FARRAR, M. D.

Associate in Psychiatry

A. B., Harvard University, 1896; M. D., Johns Hopkins University, 1900; Graduate Student, University of Heidelberg, 1902-1904; Assistant and Instructor in Psychiatry, Johns Hopkins University, 1906-1908; Assistant Physician and Acting Director of the Laboratory, Sheppard and Enoch Pratt Hospital; Research Assistant, the Carnegie Institution of Washington.

Towson

LOUIS V. HAMMAN, M. D.

Associate in Medicine

A. B., Rock Hill College, 1896; Graduate Student, Johns Hopkins University, 1896-97; and M. D., 1901; House Physician, New York Hospital, 1902-1903; Assistant and Instructor in Medicine, Johns Hopkins University, 1903-1908; *Physician in charge, the Phipps Dispensary; Associate in Medicine, the Johns Hopkins Hospital.*

714 Park Ave.

ARTHUR D. HIRSCHFELDER, M. D.

Associate in Medicine, in Charge of the Physiological Division of the Laboratory of the Medical Clinic

S. B., University of California, 1897; Student in Paris and Heidelberg, 1898-1899; M. D., Johns Hopkins University, 1903; Resident House Officer, the Johns Hopkins Hospital, 1903-1904; Assistant in Medicine, Cooper Medical College; Assistant Physician to City and County Hospital, San Francisco, 1903-1905; Voluntary Assistant and Instructor in Medicine, Johns Hopkins University, 1905-1908; *Assistant in Medicine, the Johns Hopkins Hospital.*

2245 Linden Av.

ELIZABETH HURDON, M. D.

Associate in Gynecology

M. D., Trinity University (Toronto), 1895; Assistant and Instructor in Gynecology, Johns Hopkins University, 1900-1908.

31 W. Preston St.

J. H. MASON KNOX, Jr., Ph. D., M. D.

Associate in Pediatrics

A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-1899; Assistant and Instructor in Pediatrics, Johns Hopkins University, 1902-1909; Physician in Charge, the Thomas Wilson Sanitarium; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

804 Cathedral St.

ELIOT R. CLARK, M. D.

Associate in Anatomy

A. B., Yale University, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Anatomy, Johns Hopkins University, 1907-1910.

2033 Park Av.

JOHN T. GERAGHTY, M. D.

Associate in Genito-Urinary Surgery

A. B., St. Thomas College, 1895; Ph. B., St. Paul Seminary, 1897; Graduate Student, Johns Hopkins University, 1897-1898; M. D., 1903; Resident House Officer, the Johns Hopkins Hospital, 1903-1904; Assistant and Instructor in Genito-Urinary Diseases, Johns Hopkins University, 1907-1910; *Assistant Surgeon, the Johns Hopkins Dispensary.*

330 N. Charles St.

JOHN HENDRICKEN KING, M. D.

Associate in Pathology

A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902; M. D., 1906; Assistant and Instructor in Medicine and Pathological Physiology, Johns Hopkins University, 1906-1909.

1227 N. Calvert St.

LEONARD GEORGE ROWNTREE, M. D.

Associate in Experimental Therapeutics

M. D., Western University (Canada), 1905; Resident Physician, Victoria Hospital, London, Canada, 1905-1906; Voluntary Assistant and Assistant in Medicine, 1907-1909; Instructor in Experimental Therapeutics, 1909-1910.

227 W. Monument St.

HERBERT M. EVANS, M. D.

Associate in Anatomy

S. B., University of California, 1904, and Medical Department, 1904-05; M. D., Johns Hopkins University, 1908; Assistant and Instructor in Anatomy, Johns Hopkins University, 1908-1910.

1306 N. Luzerne St.

MILTON CHARLES WINTERNITZ, M. D.

Associate in Pathology

A. B., Johns Hopkins University, 1903, M. D., 1907, Fellow in Pathology, 1907-1908; Assistant and Instructor in Pathology, Johns Hopkins University, 1908-1910; Pathologist, Bay View Asylum and *Assistant Resident Pathologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

WILLIAM L. MOSS, M. D.

Associate in Medicine

S. B., University of Georgia, 1901; M. D., Johns Hopkins University, 1905; Instructor in Medicine, Johns Hopkins University, 1909-1910; Resident House Officer, the Johns Hopkins Hospital, 1905-1906; Assistant Physician, Johns Hopkins Dispensary, 1906-1907; Graduate Student, University of Berlin, 1907; *Assistant Resident Physician.*

The Johns Hopkins Hospital

FRANK J. SLADEN, M. D.

Associate in Medicine.

A. B., Yale University, 1902; M. D., Johns Hopkins University, 1906; Assistant and Instructor in Medicine, Johns Hopkins University, 1908-1911; Resident House Officer and Assistant Resident Physician, the Johns Hopkins Hospital, 1906-1911; *Resident Physician and Medical Adviser to the Students, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

INSTRUCTORS

MACTIER WARFIELD, M. D.

Instructor in Laryngology

A. B., Johns Hopkins University, 1881; M. D., University of Maryland, 1884; *Chief of the Laryngological and Rhinological Clinic, the Johns Hopkins Dispensary.*

700 N. Howard St.

ALFRED ROBERT LOUIS DOHME, Ph. D.

Instructor in Pharmacy

A. B., Johns Hopkins University, 1886, and Ph. D., 1889; Secretary of Revision Committee of the United States Pharmacopoeia, 1900-1910.

Roland Park.

JAMES J. MILLS, M. D.

Instructor in Ophthalmology and Otology

M. D., Baltimore Medical College, 1889; Assistant in Ophthalmology and Otology, Johns Hopkins University, 1903-1904; Ophthalmologist to the City Detention Hospital, Bay View, and *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.*

853 Park Av.

JACOB HALL PLEASANTS, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1895, and M. D., 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1900-1905; *Assistant Physician, the Johns Hopkins Dispensary.*

University Parkway

RICHARD A. URQUHART, M. D.

Instructor in Pediatrics

M. D., University of Virginia, 1894; Resident Physician, 1899-1900, and Assistant Attending Physician, City Detention Hospital, Bay View, 1900-1901; Assistant in Pediatrics, Johns Hopkins University, 1902-1906; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

849 Park Av.

EDGAR R. STROBEL, M. D.

Instructor in Dermatology

A. B., Johns Hopkins University, 1895, and M. D., 1899; Clinical Professor of Dermatology, Baltimore Medical College; Assistant in Dermatology, Johns Hopkins University, 1903-1906; *Assistant Dermatologist, the Johns Hopkins Dispensary.*

330 N. Charles St.

W. RUSH DUNTON, Jr., M. D.

Instructor in Psychiatry

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; Assistant in Psychiatry, Johns Hopkins University, 1906; *Assistant Neurologist, the Johns Hopkins Dispensary.*

E. Evesham Av., Govans.

JOSEPH ALBERT CHATARD, M. D.

Instructor in Medicine

A. B., Loyola College, 1898; Graduate Student, Johns Hopkins University, 1898-1899, and M. D., 1903; Assistant Resident Physician, St. Joseph's Hospital, 1903-1904; Assistant in Medicine, Johns Hopkins University, 1905-1907; *Assistant Physician, the Johns Hopkins Dispensary.*

1225 Maryland Av.

JOHN ARTHUR LUETSCHER, M. D.

Instructor in Medicine

S. B., University of Wisconsin, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; House Physician, City Hospital, Boston, 1900-1901; Assistant in Medicine, Johns Hopkins University, 1905-1907; *Assistant Physician, the Johns Hopkins Dispensary.*

1025 Madison Av.

NATHAN E. B. IGLEHART, M. D.

Instructor in Surgery

M. D., University of Maryland, 1889; Assistant in Surgery, Johns Hopkins University, 1900-1909; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

16 W. Preston St.

EDWARD M. SINGEWALD, M. D.

Instructor in Neurology

M. D., University of Maryland, 1888; Assistant in Neurology, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

5 N. Washington St.

GEORGE LANE TANEYHILL, Jr., M. D.

Instructor in Neurology

A. B., Johns Hopkins University, 1900, M. D., 1904; Externe, the Johns Hopkins Hospital and Dispensary, 1904-1905; Assistant in Medicine, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

1103 Madison Av.

CHARLES W. LARNED, M. D.

Instructor in Medicine

M. D., University of Maryland, 1893; Assistant in Medicine, Johns Hopkins University, 1906-1909; Resident Physician, Free Lying-in-Hospital, University of Maryland, 1893-1894; Resident Physician, Hospital for Women of Maryland, 1894-1905; Physician to the Good Samaritan Hospital, and Professor of Clinical Medicine, Woman's Medical College of Baltimore; *Assistant Physician, the Johns Hopkins Dispensary.*

1327 Park Av.

HENRY LEE SMITH, M. D.

Instructor in Medicine

M. D., University of Maryland, 1894; A. M., St. John's College (Maryland), 1910; Assistant in Medicine, Johns Hopkins University, 1906-1909; Clinical Assistant, University Hospital; Resident Physician, Hospital for Women of Maryland; Studied in Universities of Marburg, Graz and Berlin; Professor of Diseases of Children and Medicine and Lecturer on Bacteriology, Woman's Medical College, (Balt.), 1890-1910; *Assistant Physician, Johns Hopkins Dispensary.*

2701 N. Calvert St.

SAMUEL WOLMAN, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Phipps Dispensary, the Johns Hopkins Hospital.*

2101 Brookfield Ave.

HARRY S. GREENBAUM, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1899, and M. D., 1904; Student, University of Berlin, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Johns Hopkins Dispensary.*

1614 Eutaw Place

CHARLES M. BYRNES, M. D.

Instructor in Neurology

S. B., University of North Carolina, 1902; M. D., Johns Hopkins University, 1906; Adjunct Professor of Anatomy, University of Virginia, 1908-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

207 E. Preston St.

J. STAIGE DAVIS, M. D.

Instructor in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-1903; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1200 Cathedral St.

WILLIAM A. FISHER, M. D.

Instructor in Surgery

A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; *Assistant Surgeon, the Johns Hopkins Dispensary.*

715 Park Av.

OMAR B. PANCOAST, M. D.

Instructor in Surgery

S. B., Swarthmore College, 1893; M. D., Johns Hopkins University, 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-1898; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1500 Madison Av.

EDWARD H. RICHARDSON, M. D.

Instructor in Gynecology

A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900-1901, and M. D., 1905; Resident House Officer, and Assistant Resident and Resident Gynecologist, the Johns Hopkins Hospital, 1905-1910; *Assistant Gynecologist, the Johns Hopkins Dispensary.*

216 E. Preston St.

PAUL W. CLOUGH, M. D.

Instructor in Medicine, in Charge of the Biological Division of the Medical Clinic

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Assistant in Medicine, Johns Hopkins University, 1908-1910; Resident House Officer, the Johns Hopkins Hospital, 1907-1908; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

CLYDE GRAEME GUTHRIE, M. D.

Instructor in Medicine, in Charge of the Clinical Laboratory

A. B., Lafayette College, 1903; M. D., Johns Hopkins University, 1907; Assistant in Medicine, Johns Hopkins University, 1908-1910; Resident House Officer, the Johns Hopkins Hospital, 1907-1908; Assistant Resident Physician, the Johns Hopkins Hospital, 1908-1911.

The Johns Hopkins Hospital

THOMAS P. SPRUNT, M. D.

Instructor in Pathology

A. B., Davidson College, 1903; M. D., Johns Hopkins University, 1909; Assistant in Pathology, Johns Hopkins University, 1909-1910; *Assistant Resident Pathologist.*

The Johns Hopkins Hospital

CHARLES R. ESSICK, M. D.

Instructor in Anatomy

A. B., Yale University, 1905; M. D., Johns Hopkins University, 1909; Assistant in Anatomy, Johns Hopkins University, 1909-1910.

1807 N. Caroline St.

WILLIAM E. BURGE, PH. D.

Instructor in Physiology

A. B., Randolph-Macon College, 1903, and A. M., 1906; Ph. D., Johns Hopkins University, 1909; Fellow in Physiology and Assistant, 1908-1911.

828 N. Broadway

KARL MILLER WILSON, M. D.

Instructor in Obstetrics

M. D. C. M., McGill University, 1908; House Surgeon, Montreal General Hospital, 1908-1909; Interne and Assistant Resident Obstetrician, the Johns Hopkins Hospital, 1909-1911; Assistant in Obstetrics, Johns Hopkins University, 1910-1911; *Resident Obstetrician.*

The Johns Hopkins Hospital

CHARLES MALLORY REMSEN, M. D.

Instructor in Surgery

A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1900; M. D., 1904; Resident House Officer, Assistant Resident Physician, Assistant Surgical Pathologist and Assistant Resident Surgeon, Johns Hopkins Hospital, 1904-1911; *Resident Surgeon.*

The Johns Hopkins Hospital

JOHN A. SPERRY, M. D.

Instructor in Gynecology

M. D., Tulane University, 1905; Second Assistant Resident Surgeon, Union Protestant Infirmary, 1906-1907; Resident Surgeon, Church Home and Infirmary, 1907-1908; Assistant Resident Gynecologist, Johns Hopkins Hospital, 1909-1911; *Resident Gynecologist.*

The Johns Hopkins Hospital

ASSISTANTS

JOHN McF. BERGLAND, M. D.

Assistant in Obstetrics

S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904; Assistant Resident Obstetrician, the Johns Hopkins Hospital, 1905-1906.

12 W. Preston St.

ROADES FAYERWEATHER, M. D.

Assistant in Orthopedic Surgery

A. B., Harvard University, 1899; M. D., Johns Hopkins University, 1903; Orthopedic Surgeon, Carney Hospital, Boston, 1903-1904; *Assistant Surgeon, the Johns Hopkins Dispensary.*

21 W. Franklin St.

BERTRAM M. BERNHEIM, M. D.

Assistant in Surgery

A. B., Johns Hopkins University, 1901; M. D., 1905; *Assistant Surgeon, the Johns Hopkins Dispensary.*

2319 Linden Av.

EUGENE J. LEOPOLD, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1901; M. D., 1905; Graduate Student University of Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Graduate Student, London, 1905-1907; *Assistant Physician, the Phipps Dispensary.*

803 Park Av.

DAVID I. MACHT, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Harvard Summer School, 1903-1905; Vol. Asst. Klinik, Prof. Landau, Berlin, 1906-1907; *Externe, Phipps Dispensary.*

1511 Madison Av.

FLORA POLLACK, M. D.

Assistant in Gynecology

M. D., Woman's Medical College (Balt.), 1891; *Assistant in Woman's Venereal Diseases, the Johns Hopkins Dispensary.*

330 N. Charles St.

GEORGE S. BOND, M. D.

Assistant in Medicine

B. S., Earlham College, 1903; A. B., University of Michigan, 1905, and M. D., 1908; Graduate Student, Johns Hopkins University, 1908-1909; Voluntary Assistant in Medicine, *ibid;* Research Student, Rockefeller Institute, 1909-1910.

1017 N. Broadway

HOWARD E. ASHBURY, M. D.

Assistant in Surgery

Ph. G., Maryland College of Pharmacy, 1899; M. D., University of Maryland, 1903.

1017 Cathedral St.

CHARLES R. AUSTRIAN, M. D.

Assistant in Medicine, in Charge of the Laboratory of the Phipps Dispensary

A. B., Johns Hopkins University, 1904, and M. D., 1909; Resident House Officer, Johns Hopkins Hospital, 1909-1910; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

WALTER A. BAETJER, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1905, and M. D., 1909; Resident House Officer, the Johns Hopkins Hospital, 1909 1910; Assistant Resident, the Johns Hopkins Hospital, 1910-1911; *Resident Physician, City Hospital, Bay View.*

Bay View

TRIGANT BURROW, M. D., Ph. D.

Assistant in Medicine

A. B., Fordham University, 1895; M. D., University of Virginia, 1899; Demonstrator in Biology, University of Virginia, 1899-1900; Graduate Student, Pathology and Bacteriology, and Philology, 1901-1903; Assistant in Psychology, Johns Hopkins University, 1906-1909, and Ph. D., 1909.

707 St. Paul St.

SAMUEL J. CROWE, M. D.

Assistant in Surgery

A. B., University of Georgia, 1904; M. D., Johns Hopkins University, 1908; Assistant in Surgery (H. L.), 1908-1909; Assistant Resident Surgeon, Johns Hopkins Hospital, 1909-1910.

The Cecil

FRANKLIN HAZLEHURST, JR., M. D.

Assistant in Laryngology and Rhinology

A. B., Johns Hopkins University, 1903, and M. D., 1907; Acting Resident House Officer and Externe in Medicine, the Johns Hopkins Hospital, 1907-1908; Surgeon, Robert Garrett Hospital for Children; *Assistant Laryngologist, the Johns Hopkins Dispensary.*

203 W. Lanvale St.

JOHN THOMAS SAMPLE, M. D.

Assistant in Medicine

A. B., University of Michigan, 1906, and M. D., 1908; Assistant in Medicine, *ibid,* 1908-09; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

MARTIN FRANCIS SLOAN, M. D.

Assistant in Medicine

M. D., Baylor University, 1907; Resident Physician, Eudowood Sanatorium; *Externe, Phipps Dispensary.*

Eudowood

HEDLEY V. TWEEDIE, M. D.

Assistant in Ophthalmology and Otology

M. D., Baltimore Medical College, 1897; Assistant Surgeon, Baltimore Eye and Ear, Throat Charity Hospital; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.*

508 Park Av.

ERNEST ISAAC WERBER, PH. D.

Assistant in Anatomy

Research Assistant in the "Biologische Versuchsanstalt," Vienna, 1906; Ph. D., University of Vienna, 1908; Assistant in Physiology, University of California, 1908-1909; Assistant Professor of Biology, New Mexico College of Agriculture and Mechanic Arts, 1909-1910.

304 E. Lafayette Ave.

LLOYD PARKER SHIPPEN, M. D.

Assistant in Hygiene and Bacteriology

A. B., Johns Hopkins University, 1902; M. D., University of Pennsylvania, 1907.

209 W. Monument St.

SOLON ARTHUR DODDS, M. D.

Assistant in Obstetrics

Ph. B., Wesleyan University, (Conn), 1901; M. D., Johns Hopkins University, 1905; Interne in Obstetrics and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1905-1908.

3105 Clifton Ave., Walbrook

RALPH HERMAN MAJOR, M. D.

Assistant in Medicine

A. B., William Jewell College, 1902; Student, Leipsic, Munich and Chicago, 1904-1906; M. D., Johns Hopkins University, 1910; Resident House Officer, Johns Hopkins Hospital, 1910-1911; *Assistant Resident Physician.*

The Johns Hopkins Hospital

ELI KENNERLY MARSHALL, JR., Ph. D.

Assistant in Physiological Chemistry

S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911.

321 W. Hoffman St.

SYDNEY ROBOTHAM MILLER, M. D.

Assistant in Medicine

S. B., New York University, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, the Johns Hopkins Hospital, 1910-1911.

28 Talbot Road, Windsor Hills

ISAAC ROSENBAUM PELS, M. D.

Assistant in Dermatology

A. B., Johns Hopkins University, 1902, and M. D., 1906; Interne, the Jewish Hospital, Philadelphia, 1906-1907; Externe in Medicine and Surgery, 1907-1909; Interne, Union Protestant Infirmary, Baltimore, 1908.

1509 Madison Ave.

HELEN WATSON, M. D.

Assistant in Medicine

A. B., Wellesley College, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, the Johns Hopkins Hospital, 1910-1911; *Assistant Resident Physician, ibid.*

The Johns Hopkins Hospital

CONRAD JACOBSON, M. D.

Assistant in Surgery

S. B., Beloit College, 1900; Graduate Student, University of Chicago, 3 summer quarters; M. D., Johns Hopkins University, 1911.

1524 N. Broadway

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Assistant in Obstetrics

A. B., Randolph-Macon College, 1906; M. D., Johns Hopkins University, 1910; Resident House Officer, Johns Hopkins Hospital, 1910-1911; *Assistant Resident Obstetrician.*

The Johns Hopkins Hospital

VOLUNTARY ASSISTANTS

ALEXIUS McGLANNAN, M. D.

Voluntary Assistant in Surgery

M. D., College of Physicians and Surgeons (Balt.), 1895.

114 W. Franklin St.

JOHANNA GELIEN, M. D.

Voluntary Assistant in Medicine

M. D., Gross Medical College (Denver), 1908.

1222 N. Broadway

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The Superintendent of the Johns Hopkins Hospital.

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George J. Coy.....2403 Elsinore Av., Walbrook.
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J. WHITRIDGE WILLIAMS, M. D.....*Obstetrician in Chief*
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WILLIAM H. WELCH, M. D.....*Pathologist*
T. CASPAR GILCHRIST, M. R. C. S.....*Dermatologist*
J. WILLIAMS LORD, M. D.....*Dermatologist*
JOHN N. MACKENZIE, M. D.....*Laryngologist*
SAMUEL THEOBALD, M. D.....*Ophthalmic and Aural Surgeon*
HENRY M. THOMAS, M. D.....*Neurologist*
ROBERT L. RANDOLPH, M. D.....*Assistant Ophthalmic and Aural Surgeon*
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JOSEPH C. BLOODGOOD, M. D.....*Associate in Surgery*
HARVEY CUSHING, M. D.....*Associate in Surgery*
HUGH H. YOUNG, M. D.....*Associate in Surgery*
RICHARD H. FOLLIS, M. D.....*Associate in Surgery*
THOMAS B. FUTCHER, M. D.....*Associate in Medicine*
THOMAS MCCRAE, M. D.....*Associate in Medicine*
LOUIS V. HAMMAN, M. D.....*Associate in Medicine*
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THOMAS S. CULLEN, M. D.....*Associate in Gynecology*
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CURTIS F. BURNAM, M. D.....*Associate in Gynecology*
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*Corrected to September 1, 1911.

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Karl M. Wilson, M. D. ..... *Resident Obstetrician*

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Arthur O. Fisher, M. D. ....
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THOMAS B. FUTCHER, M. B. . . . . Division Chief

FRANK R. SMITH, M. D. . . . .
THOMAS MCCRAE, M. D. . . . . } . . . . . Physicians in Charge

THOMAS R. BROWN, M. D. . . . .
JOSEPH A. CHATARD, M. D. . . .
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EUGENE J. LEOPOLD, M. D. . . .
GEORGE S. BOND, M. D. . . . . .

DAVID I. MACHT, M. D. . . . . .
GUSTAV H. WOLTERECK. M. D. . } . . . . . Externes

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HENRY M. THOMAS, M. D. . . . . Neurologist

EDWARD M. SINGEWALD, M. D.
WM. R. DUNTON, JR., M. D. . .
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G. LANE TANEYHILL, JR., M. D. . . . . Assistant Neurologists
CHARLES M. BYRNES, M. D. . .
TRIGANT BURROW, M. D. . . . . .

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C—*Diseases of Children:*

SAMUEL AMBERG, M. D. . . . . .
RICHARD A. URQUHART, M. D. . . . . Assistant Pediatricians
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D—*Phipps Dispensary:*

Louis V. Hamman, M. D.....Physician in Charge
Charles R. Austrian, M. D.....Director of Laboratory

Samuel Wolman, M. D.....
Martin F. Sloan, M. D.....
Eugene J. Leopold, M. D....
John Girdwood, M. D.....
Johanna Gelien, M. D.....
.....Assistant Physicians

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A—*General Surgery:*

John M. T. Finney, M. D.....Division Chief

Nathan E. B. Iglehart, M. D.
George Walker, M. D.....
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.....Surgeons in Charge

Omar B. Pancoast, M. D....
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Bertram M. Bernheim, M. D.
Charles R. Ahroon, M. D...
Ronald T. Abercrombie, M. D.
Elliott H. Hutchins, M. D..
Harvey B. Stone, M. D....
.....Assistant Surgeons

B—*Ophthalmology and Otology:*

Samuel Theobald, M. D.....Ophthalmic and Aural Surgeon
Robert L. Randolph, M. D.....Associate Surgeon

James J. Mills, M. D.....
James Bordley, M. D.....
H. V. Tweedie, M. D.....
J. W. Downey, M. D.....
Louis Goldbach, M. D.....
.....Assistant Surgeons

C—*Genito-Urinary Diseases:*

Hugh H. Young, M. D.....Genito-Urinary Surgeon
John T. Geraghty, M. D.....Surgeon in Charge

Fred W. Hobelman, M. D...
Albert Keidel, M. D.....
.....Assistant Surgeons

D—*Laryngology:*

John N. Mackenzie, M. D.....Laryngologist
Mactier Warfield, M. D.....Laryngologist in Charge
Franklin Hazelhurst, Jr., M. D.....Assistant Laryngologist

E—*Dermatology:*

T. Caspar Gilchrist, M. D...
J. Williams Lord, M. D..... } .....Dermatologists

Edgar R. Strobel, M. D.....
Isaac R. Pels, M. D..... } .....Assistant Dermatologists

F—*Orthopedic Surgery:*

William S. Baer, M. D.....Orthopedic Surgeon

Howard E. Ashbury, M. D...
Roades Fayerweather, M. D.
G. E. Bennett, M. D..... } .....Assistant Surgeons

Miss J. Metivier.....Assistant in Medical Gymnastics
Miss Anna Bean.....Masseuse

GYNECOLOGY AND OBSTETRICS

A—*Gynecology:*

John A. Sperry, M. D.....Gynecologist in Charge

Edward H. Richardson, M. D.
Cecil W. Vest, M. D.....
Leon H. Watkins, M. D..... } .....Assistant Gynecologists

Flora Pollack, M. D....Assistant in Women's Venereal Diseases

B—*Obstetrics:*

Karl M. Wilson, M. D.....Obstetrician in Charge

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Howard A. Kelly,
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Winford H. Smith,
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(Controlled by the Board of Supervisors of City Charities)

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Gordon Wilson, M. D. ..... Physician in Charge, Tuberculosis Hospital
H. D. Purdum, M. D. ..... Physician in Charge, Detention Hospital for Insane
Milton C. Winternitz, M. D. ..... Pathologist

Consulting Staff:

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Clarence B. Farrar, M. D.
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Irving J. Spear, M. D. ..... Alienists
Henry M. Thomas, M. D. ..... Neurologist
John T. Geraghty, M. D.
George Timberlake, M. D. ..... Urologists
Hugh Brent, M. D.
Edward H. Richardson, M. D. ..... Gynecologists
James J. Mills, M. D. ..... Ophthalmologist

Third-year students receive clinical instruction in medicine in the City and Tubercular Hospitals during the third trimester.

Fourth-year students receive clinical instruction in psychiatry in the Detention Hospital for the Insane.

Elective work will be offered during the entire year.

CATALOGUE AND ANNOUNCEMENT OF THE COURSES OF INSTRUCTION FOR CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE AND FOR GRADUATES IN MEDICINE.

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE.

Fourth Year.

CLARENCE LADELLE ANDREWS. Conway, La. 109 *N. Broadway.*

S. B., Louisiana State University, 1908; Kaiser Wilhelm University Strassburg, Germany, 1909.

*JAIME DE ANGULO. Paris, France. 608 *S. Ann St.*

B. es Lett, University of Paris, 1906; Cooper Medical College, 1906-07.

EDWIN I. BARTLETT. Buhl, Ida. 1505 *N. Caroline St.*

A. B., Washington State College, 1908; Kaiser Wilhelm University, Strassburg, Germany, Summer Semester, 1909.

JOSEPH HOWARD BEARD. Chesterfield. 320 *N. Carey St.*

A. B., St. John's College, 1902.

JANE ELIZABETH BIGELOW. Terre Haute, Ind. 104 *Jackson Pl.*

A. B., Butler College, 1907.

CHARLES ALBERT BOWERS. Wheeling, W. Va. 1513 *N. Bdway.*

S. B., West Virginia University, 1908.

EVELETH WILSON BRIDGMAN. Woodbrook. *Woodbrook.*

A. B., Johns Hopkins University, 1908.

CYRUS CATHEY BROWN. Arkadelphia, Ark. 1338 *N. Eden St*

A. B., University of Arkansas, 1908.

JOHN LOUIS BUTSCH. Lynnville, Ind. *Hotel Hopkins.*

S. B., Purdue University, 1905.

RAYMOND JOHN CARY. Atlantic, Ia. 706 *N. Broadway.*

B. S., Iowa College, 1906; University of Chicago, Summer Session, 1904 and 1905; Medical Student, Western Reserve University, 1908-1910.

BURNS STODDARD CHAFFEE. Santa Ana, Cal. 109 *N. Bdway.*

A. B., Leland Stanford Jr. University, 1908.

ALAN MASON CHESNEY. Baltimore. 2833 *N. Calvert St.*

A. B., Johns Hopkins University, 1908.

JACOB COHEN. Baltimore. 1000 *N. Gay St.*

A. B., Johns Hopkins University, 1908.

*GEORGE WASHINGTON COX. Litchfield, Ill. 1636 *N. Caroline St.*

B S., University of Chicago, 1907.

*One trimester only.

MARYE YEAMANS DABNEY. Birmingham, Ala. 521 *N. Wolfe St.*

Ph. B., University of Chicago, 1908.

EDWIN GREENE DAVIS. Lincoln, Neb. 131 *Jackson Pl.*

A. B., University of Nebraska, 1909; Med. Dept., *ibid*, 1908-1910.

WILLIAM MILTON DUMM. Laramie, Wyo. 702 *N. Bdway.*

S. B., Ohio Wesleyan University, 1908.

MILTON THOMAS EDGERTON, JR. Fremont, N. C. 1632 *Jefferson St.*

A. B., University of Georgia, 1908.

ROLAND FREDERICK FISHER. Baraboo, Wis. 510 *N. Broadway.*

S. B., University of Wisconsin, 1909, and Medical Student, 1907-09.

MARY RANDOLPH FLEMING. Lynchburg, Va. 12 *N. Ann St.*

M. A., Randolph-Macon Woman's College, 1902.

OVID CLEMMONS FOOTE. Roaring River, N. C. 109 *N. Bdway.*

A. B., Wake Forest College, 1908.

WINTER REGINALD FRANTZ. Cumberland. 109 *N. Broadway.*

S. B., West Virginia University, 1908.

WILLA MAY FRICKE. New York, N. Y. 3930 *Park Heights Av.*

A. B., Barnard College, 1906; 2½ years Medical College and Hospital for Women and Children, 1906-1909.

JULIAN EUGENE GAMMON. Marianna, Fla. 810 *N. Bdway.*

S. B., University of Florida, 1908.

JAMES HEYWARD GIBBES. Columbia, S. C. 510 *N. Bdway.*

A. B. and S. B., University of South Carolina, 1908.

WILLIAM LEE GILLS. Bedford City, Va. 702 *N. Bdway.*

A. B., Randolph-Macon College, 1905.

FREDERICK AKIN GLASS. Booneville, Ky. 1706 *N. Caroline St.*

A. B., Central University (Ky.), 1908.

ERNEST WILLIAM GOODPASTURE. Nashville, Tenn. 518 *N. Bdway.*

A. B., Vanderbilt University, 1907.

ROSCOE WILLIS HALL. Millerstown, Pa. 1119 *N. Caroline St.*

Ph. B., Dickinson College, 1908.

**JAMES B. HOLMES. Lynchburg, Va. 702 *N. Bdway.*

A. B. and A. M., University of Virginia, 1910, and Medical Student, 1908-1909; Medical Student, University of Göttingen, Summer, 1911.

SAMUEL HAYMANN HURWITZ. Chicago, Ill. 105 *Jackson Pl.*

A. B., Harvard University, 1907, and A. M., 1908; Kaiser Wilhelm University, Strassburg, Germany, 1909; Special Student, Institute for Infectious Diseases, Berlin, Summer, 1911.

HELMINA JEIDELL. New York, N. Y. 105 *Jackson Pl.*

A. B., Barnard College, 1908; Special Student Pasteur Institute, Paris, Summer, 1909.

**Work completed for both degrees in summer of 1910.

RUDOLPH ALFRED KOCHER. San Jose, Cal. 3307 *Bateman Av.*

A. B., Leland Stanford Jr. University, 1908; Student of Medicine, University of Leipsic, 1909-1910.

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*

A. B., Johns Hopkins University, 1908.

WALTER GAY LOUGH. Fairmont, W. Va. 518 *N. Bdway.*

S. B., University of West Virginia, 1908.

OSWALD SWINNEY LOWSLEY. Los Angeles, Cal. 814 *E. Preston St.*

A. B., Leland Stanford Jr. University, 1905.

*ROBERT GEORGE MCALILEY. Chester, S. C. 1029 *N. Bdway.*

S. B., Davidson College, 1904; Student of Medicine, University of Maryland, 1907-1908.

HARVEY ROSS MCALLISTER. Gettysburg, Pa. 1220 *N. Eden St.*

A. B., Pennsylvania College, 1908.

WILLIAM BRADBURY MCCLURE. Elk Lick, Pa. 518 *N. Broadway.*

S. B., Pennsylvania College, 1908.

HUGH MCCULLOCH. Little Rock, Ark. 510 *N. Bdway.*

A. B., University of Arkansas, 1908.

WILLIAM LAWRENCE MILLEA. Worcester, Mass. 109 *N. Bdway.*

A. B., Clark College, 1908.

EDGAR ALLEN MILLER. Gettysburg, Pa. 1711 *Fairmount Av.*

S. B., Pennsylvania College, 1908.

KNOX EMERSON MILLER. St. Joseph, Mo. 1338 *N. Eden St.*

A. B., William Jewell College, 1908.

NATHANIEL MILLS. Mt. Vernon, N. Y. 702 *N. Bdway.*

A. B., Williams College, 1908.

*ERNEST LUTHER MORGAN. Waynesville, N. C. 109 *N. Bdway.*

S. B., Wake Forest College, 1907; Student of Medicine, *ibid,* 1905-1907.

WILLIAM HAVILAND MORRISS. Baltimore. 1904 *Mt. Royal Ter.*

A. B., Haverford College, 1908.

WILLIAM NEILL, JR. Charles Town, W. Va. 1717 *Fairmount Av.*

A. B., St. John's College, 1908.

RALPH WILBUR NICHOLS. North Haven, Conn. 1338 *N. Eden St.*

Ph. B., Yale University, 1908.

LOUISE PEARCE. Boston, Mass. 2504 *St. Paul St.*

A. B., Leland Stanford Jr. University, 1907; Boston University School of Medicine, 1907-09.

CHARLES HAMLIN PELTON. Middletown, Conn. 1739 *Fairmount Av.*

A. B., Trinity College (Conn.), 1905.

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*One trimester only.

MAURICE CHARLES PINCOFFS, JR. Chicago, Ill. 529 *N. Wolfe St.*

S. B., University of Chicago, 1909; Rush Medical College, 1906-1909; Graduate School, 1909-1910.

MARTIN HAYWARD POST, JR. St. Louis, Mo. 709 *St. Paul St.*

A. B., Amherst College, 1908.

CARL WHEELER RAND. Monson, Mass. 518 *N. Bdway.*

A. B., Williams College, 1908, A. M., 1909.

CHARLES DWIGHT REID, JR. Auburn, N. Y. 1123 *N. Caroline St.*

A. B., Williams College, 1908.

MONT ROGERS REID. Oriskany, Va. 109 *N. Bdway.*

A. B., Roanoke College, 1908.

HAROLD IRWIN REYNOLDS. Lexington, Ga. 305 *N. Bdway.*

A. B., University of Georgia, 1908.

MAX SPENCER ROHDÈ. Princeton, Ill. 529 *N. Wolfe St.*

S. B., University of Chicago, 1908.

PETER BENJAMIN SARASON. New Haven, Conn. 318 *N. Bdway.*

A. B., Yale University, 1909, and Medical Student, 1907-09.

HENRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*

A. B., Johns Hopkins University, 1908.

RAYMOND LOUIS SCHULZ. Milwaukee, Wis. 318 *N. Bdway.*

S. B., University of Wisconsin, 1908; Medical Student, *ibid*, 1908-1910.

NATHAN P. SEARS. Syracuse, N. Y. 1119 *N. Caroline St.*

Ph. B., Syracuse University, 1908.

REGINALD OLIVER SELLMAN. Baltimore. *The Mt. Royal.*

A. B., Johns Hopkins University, 1908.

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A. B., Oberlin College, 1908.

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A. B., Western Maryland College, 1908.

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A. B., Colgate University, 1908; Student of Medicine, University of Freiburg, Summer Semester, 1910; University of München, Winter Semester, 1910-1911, and University of Heidelberg, Summer Semester, 1911.

HARRY RICHMOND SLACK, JR. La Grange, Ga. 510 *N. Bdway.*

A. B., University of Georgia, 1908.

TRAMMELL STARR. Calhoun, Ga. 1510 *N. Broadway.*

A. B., Emory College, 1908.

THORNTON STEARNS. Ashville, N. C. 1731 *Fairmount Av.*

A. B., Davidson College, 1906.

HOLLAND NEWTON STEVENSON, 2ND. Pittsfield, Mass.

Ph. B., Yale University, 1908. *The Severn.*

ABRAHAM STRAUSS. Lowell, Mass. 521 *N. Wolfe St.*

A. B., Harvard University, 1909.

DAVID CORBIN STREETT. Baltimore. 712 *Park Av.*

A. B., Johns Hopkins University, 1908.

JOHN SUNDWALL. Fairview, Utah. *Hotel Hopkins*

S. B., University of Chicago, 1903, Ph. D., 1906, and Medical Student, 1906-08.

HARRY ROSWELL WAHL. Stratford, Wis. 1040 *N. Bdway.*

A. B., University of Wisconsin, 1908, and A. M., 1910; Med. Dept., *ibid*, 1908-1910.

ARTHUR L. WALTERS. Battle Ground, Ind. 702 *N. Bdway.*

S. B., Purdue University, 1904.

CHARLES HANSELL WATT. Thomasville, Ga. 510 *N. Bdway.*

S. B., Davidson College, 1906.

ADRIEL CLARK WEAKLEY. Shelbyville, Ky. 1711 *Fairmount Av.*

A. B., Georgetown College (Ky.), 1908.

LEWIS HILL WEED. Cleveland, O. 518 *N. Broadway.*

A. B., Yale University, 1908, and A. M., 1909.

PAUL WEGEFARTH. Baltimore. 2227 *Eutaw Pl.*

A. B., Johns Hopkins University, 1908; Student of Medicine, University of Freiburg, 1909-1910.

DONALD BRECKENRIDGE WELLS. Hartford, Conn. 106 *Jackson Pl.*

A. B., Yale University, 1907.

ALEXANDER WATSON WILLIAMS. Washington, D. C. 518 *N. Bdway.*

A. B., Harvard University, 1908

FRANCIS THOMAS WILLIAMS. Poolesville. 1327 *N. Caroline St.*

A. B., Johns Hopkins University, 1908.

ELEANOR BITTINGER WOLF. Baltimore. 2112 *Oak St.*

A. B., Woman's College of Baltimore, 1908.

GEORGE BANEY WOLFF. Myerstown, Pa. 1234 *N. Bdway.*

A. B., Ursinus College, 1908.

JAMES AUGUSTUS WOOD. Selma, Ala. 1510 *N. Bdway.*

A. B., Southern University, 1907, University of Alabama, Summer, 1906.

HAROLD BURTON WOODWARD. Terryville, Conn. 102 *Jackson Pl.*

S. B., Wesleyan University (Conn.), 1908.

Third Year

ARTHUR WILBURN ALLEN. Somerset, Ky. 1717 *Fairmount Av.*

A. B., Georgetown College (Ky.), 1909.

DAVID BALLANTYNE ANDERSON. Salt Lake City, Utah. 706 *N. Bdy.*

S. B., University of Chicago, 1910; Rush Medical College, 1908-1910.

GEORGE DE FOREST BARNETT. Santa Rosa, Cal. 1731 *Fairmount Av.*

A. B., Leland Stanford Jr. University, 1906, and A. M., 1909; Med. Dept., *ibid,* 1909-1910.

HAL FULLERTON BOATWRIGHT. Wilmington, N. C. 1028 *N. Bdway.*

A. B., University of North Carolina, 1909; Med. Dept., *ibid,* 1908-1910.

ALBERT ADAM BORNSCHEUER. Pittsburg, Pa. 1922 *E. Lafayette Av.*

B. S., Washington and Jefferson College, 1909.

EDITH BRONSON. East Hardwick, Vt. 1720 *Fairmount Av.*

A. B., Syracuse University, 1909; Med. Dept., *ibid,* 1909-1910.

DON FRANKLIN CAMERON. Hamilton, Ind. 802 *N. Broadway.*

A. B., Indiana University, 1907; A. M., University of Chicago, 1909; Medical Student (2d year), *Ibid.,* 1909-1911.

NOLAND MACKENZIE CANTER. Baltimore. 303 *N. Stricker St.*

A. B., Randolph-Macon College, 1909.

WILBUR GLENN CARLISLE. Hillsboro, O. 518 *N. Broadway.*

A. B., Ohio Wesleyan University, 1909; Summer Quarter, University of Chicago, 1909.

HENRY WISDOM CAVE. Paducah, Ky. 1254 *N. Bdway.*

A. B., Central University of Kentucky, 1909.

HOWARD LEE CECIL. Millersville, 1717 *Fairmount Av.*

A. B., St. John's College, 1908.

GEORGE DAVIES CHUNN. Holly Grove, Ark. 1228 *N. Eden St.*

S. B., University of Arkansas, 1908.

HELEN DOROTHY CLARKE. Boston, Mass. 104 *Jackson Pl.*

A. B., Vassar College, 1909.

ROBERT JAY COOK. Independence, Ia. 125 *Jackson Pl.*

A. B., State University of Iowa, 1909.

GEORGE WASHINGTON CORNER, 3d. Baltimore. *Roland Park.*

A. B., Johns Hopkins University, 1909.

KENT EDWARD DARROW. Fargo, N. D. 1711 *Fairmount Av.*

S. B., North Dakota Agricultural College, 1909.

DANIEL DAVIS. Washington, D. C. 626 *N. Bdway.*

A. B., Harvard University, 1909.

THOMAS KIRBY DAVIS. Wabash, Ind. 1624 *N. Bdway.*

A. B., Wabash College, 1909; Med. Dept., Cornell University, 1909-1910.

HOWARD HENRY DIGNAN. San Francisco, Cal. 1032 *N. Bdway.*

S. B., University of California, 1910; Med. Dept., *ibid,* 1909-1910.

WILLIAM DWYER. Hartford, Conn. 109 *N. Bdway.*

S. B., Trinity College (Conn.), 1909.

CORTLANDT WHITEHEAD WILSON ELKIN. Smicksburg, Pa.

A. B., Allegheny College, 1909. 1220 *N. Eden St*

ERNEST CLYDE FISHBAUGH. Markle, Ind. 318 *N. Broadway.*

A. B., Indiana State University, 1910, and A. M., 1911.

ROSWELL ELMORE FLACK. Rutherfordton, N. C. 1003 *McCulloh St*

A. B., Wake Forest College, 1901.

FREDERICK LAMONT GATES. Montclair, N. J. 716 *Park Ave.*

A. B., Yale University, 1909.

LINTON GERDINE. Athens, Ga. 1336 *N. Caroline St.*

S. B., University of Georgia, 1909.

CLARENCE FLACK GRAHAM. Baltimore. 1900 *Jefferson St.*

A. B., Yale University, 1909.

HERBERT HART HAGAN. Trenton, Ky. 518 *N. Broadway.*

A. B., Georgetown College, (Ky.), 1908.

TURNER MOREHEAD HARRIS. Danville, Va. 1254 *N. Broadway.*

A. B., Randolph-Macon College, 1907; M. A., University of Virginia, 1909.

ISAAC PICARD HEYMANN. Dutchtown, La. 937 *N. Bdway.*

S. B., Louisiana State University, 1909.

CHARLES CRAWFORD HINTON. Macon, Ga. 424 *N. Broadway.*

Ph. B., Emory College, 1909.

WALTER RICHARD HOLMES. Macon, Ga. 702 *N. Broadway.*

A. B., University of Georgia, 1909.

GILBERT HORRAX. Montclair, N. J. 2025 *N. Calvert St.*

A. B., Williams College, 1909.

LEE HOWARD. Macon, Ga. 1336 *N. Caroline St.*

A. B., Mercer University, 1909.

JAMES HOWARD HUDDLESON, JR. Portland, Ore. 1020 *N. Bdway.*

A. B., Princeton University, 1909.

EDGAR E. HUME, JR. Frankfort, Ky. *Central Y. M. C. A.*

A. B., Central University of Kentucky, 1908; Fellow, 1908-1909, and A. M., 1909.

AMOS FRANCIS HUTCHINS. Barstow. 109 *N. Broadway.*

A. B., St. John's College, 1908.

EDWARD JELKS. Macon, Ga. 702 *N. Broadway.*

A. B., Mercer University, 1909.

RICHARD FULTON KIEFFER. Hagerstown. 135 *N. Broadway.*

A. B., Franklin and Marshall College, 1907.

GEORGE AUGUST LEONARD KOLMER. Salem, Va. 809 *N. Stricker St.*

A. B., Roanoke College, 1907, and A. M., 1909.

WALTER MAX KRAUS. New York, N. Y. 125 *Jackson Pl.*

A. B., Harvard University, 1910.

CHARLES ADAM LAUBACH. Nazareth, Pa. 2808 *E. Balto. St.*

S. B., Muhlenburg College, 1909.

ROBERT LOUIS LEVY. New York, N. Y. 510 *N. Bdway.*

A. B., Yale University, 1909.

JOHN CUSHMAN LYMAN. Dayton, Wash. 120 *Jackson Pl.*

S. B., Whitman College, 1909.

WILLIAM CLIFFORD MCKEE. Los Angeles, Calif. 109 *N. Bdway.*

S. B., Pomona College, 1908.

WILLIAM HOWARD MICHAEL. Perryman. 1020 *N. Broadway.*

A. B., Johns Hopkins University, 1909.

LOUIS D. MINSK. Colchester, Conn. 318 *N. Bdway.*

A. B., Yale University, 1910; Medical Student, *ibid,* 1909-1910.

CHALMERS HALE MOORE. Birmingham, Ala. 518 *N. Bdway.*

A. B., Washington and Lee University, 1909.

JOHN JAMIESON MORTON, JR. Worcester, Mass. 1711 *Fairmount Av.*

A. B., Amherst College, 1907.

ARISTINE PIXLEY MUNN. New York, N. Y. 2400 *N. Calvert St.*

A. B., Bryn Mawr College, 1909.

WILLIAM EDWARD NESBIT. Fayetteville, Ark. 1228 *N. Eden St.*

A. B., University of Arkansas, 1909.

MERLE CORNELIUS NEWKIRK. Ellicottville, N. Y. 1220 *N. Eden St.*

Ph. B., Syracuse University, 1909.

HAROLD HASTINGS NEWMAN. Woodstock, Va. 1622 *N. Bdway.*

A. B., Randolph-Macon College, 1909.

HERBERT HAMMOND OGBURN. Greensboro, N. C. 1228 *N. Eden St.*

S. B., West Lafayette College, 1908; Medical Student, University of North Carolina, 1908-09.

WILLIAM HARWOOD OLMSTED. Cedar Rapids, Ia. 135 *N. Bdway.*

S. B., Coe College, 1909.

JOHN KELSO ORMOND. Princeton, N. J. 1633 *N. Bdway.*

A. B., Princeton University, 1906.

FRANK LAFAYETTE PASCHAL. San Antonio, Tex. 1711 *Fairmount Av.*

A. B., University of Texas, 1909; Summer Session, University of Chicago, 1908.

LAWRENCE TYLER POST. St. Louis, Mo. 709 *St. Paul St.*

A. B., Yale University, 1909.

GROVER FRANCIS POWERS. West Lafayette, Ind.

S. B., Purdue University, 1908. 1701 *N. Caroline St.*

WILLIAM DANBRIDGE REDDISH. Somerset, Ky. 1717 *Fairmount Av.*

A. B., Kentucky State University, 1909.

MAURICE LEONARD RICHARDSON. Turtle Lake, Wis. 810 *N. Bdway.*

S. B., University of Wisconsin, 1910, and M. S., 1911; Medical Student, *Ibid.*, 1909-1911.

THOMAS MILTON RIVERS. Jonesboro, Ga. 424 *N. Broadway*

A. B., Emory College, 1909.

AUGUSTA RUBY SCOTT. Bethany, Ill. 1405 *Park Av.*

Ph. B., University of Chicago, 1905; Graduate Student, University of Zurich, 1907-1909; Graduate Student, University of Freiburg, 1908-1910.

AUSTIN SHAW. Milbridge, Me. 120 *Jackson Pl.*

S. B., Colby College, 1909.

HENRY NEWTON SHAW. Oxford, Pa. 1633 *N. Broadway.*

A. B., Princeton University, 1907.

FREDERICK JANNEY SMITH. Baltimore. 1007 *Madison Av.*

A. B., Johns Hopkins University, 1909.

ROSCOE ROY SPENCER. West Point, Va. 109 *N. Bdway.*

A. B., Richmond College, 1909.

PEARLIE MAE STETLER. Madison, Wis. 102 *Jackson Pl.*

A. B., University of Wisconsin, 1911; Medical Student, *Ibid.*, 1909-1911.

JAMES E. STOWERS. Millersburg, Mo. 1625 *N. Bdway.*

A. B., University of Missouri, 1910, and A. M., 1911; Medical Student, *Ibid.*, 1909-1911.

CHARLES BAKER THOMPSON. Baltimore. 212 *E. Chase St.*

A. B., Haverford College, 1909.

MARTILLUS H. TODD. Baltimore. 1202 *E. Monument St.*

A. B., Johns Hopkins University, 1909.

LEO STEWART TRASK. Springfield, Me. 1230 *N. Bdway.*

S. B., Colby College, 1909.

FRANCIS BERGER TRUDEAU. Saranac Lake, N. Y. 2025 *N. Calvert St.*

A. B., Yale University, 1909.

JOSEPH RICHARD TURNER, JR. Tacoma, Wash. 109 *N. Bdway.*

S. B., Whitworth College, 1909.

FRANKLIN CLARK WAGENHALS. Columbus, O. 144 *Jackson Pl.*

A. B., Ohio State University, 1907, and Graduate Student, 1907-08.

SHELTON HUGHES WATKINS. Owensboro, Ky. 1706 *N. Caroline St.*

A. B., Central University of Kentucky, 1908, and A. M., 1909.

ERNEST MILTON WATSON. Providence, R. I. 804 *N. Bdway.*

Ph. B., Brown University, 1907, and A. M., 1909.

ETHEL MADELAINE WATTERS. Santa Cruz, Cal. 104 *Jackson Pl.*

A. B., Leland Stanford Jr. University, 1909; Med. Dept., *ibid*, 1909-1910.

BENJAMIN FRANCIS WEEMS, JR. Houston, Tex. 1131 *Cathedral St.*

A. B., Johns Hopkins University, 1909; Medical Student, University of Berlin and Frieberg, 1910-11.

NORMAN HARRIS WILLIAMS. Moodus, Conn. 804 *N. Bdway.*

Ph. B., Brown University, 1909.

WILLIAM WALTER YOUNG. Danville, Va. 120 *Jackson Pl.*

A. B., Randolph-Macon College, 1909.

JACOB LANDIS ZIMMERMAN. Palmyra, Pa. 109 *N. Broadway.*

A. B., Franklin and Marshall College, 1909.

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Second Year

GROVER A. BATTEN. Lost Creek, W. Va. 716 *N. Bdway.*

A. B., Washington and Lee University, 1905.

STANHOPE BAYNE-JONES. New Orleans, La. 807 *St. Paul St.*

A. B., Yale University, 1910; Medical Student, Tulane University, 1910-1911; Summer Quarter, University of Chicago, 1911.

MABEL BELT. Baltimore. 613 *Reservoir St.*

A. B., Goucher College, 1910.

RALPH BOERNE BETTMAN. Chicago, Ill. 112 *Jackson Pl.*

A. B., Williams College.

GEORGE WILLIAM BISHOP. Baltimore. 1279 *William St.*

A. B., Johns Hopkins University, 1909.

GOULD SHELTON BISSELL. Shelton, Conn. 113 *Jackson Pl.*

A. B., Yale University, 1909.

JULIUS BENJAMIN BOEHM. St. Louis, Mo. 318 *N. Broadway.*

S. B., St. Louis University, 1910.

KATE BRECKENRIDGE BOGLE. Danville, Ky. 1502 *E. Fort Ave.*

A. B., Woman's College of Baltimore, 1909.

ERNEST SPEERS DU BRAY. Cincinnati, O. 318 *N. Broadway.*
A. B., University of Cincinnati, 1910.

JAMES THOMAS BRENNAN. Clarksburg, W. Va. 817 *N. Bdway.*
A. B., Rock Hill College, 1909.

*NATHANIEL HAWLEY BRUSH. Towson. *Sheppard Hospital.*
A. B., Johns Hopkins University, 1909.

FRANCIS PATRICK CARROLL. Hartford, Conn. 129 *Jackson Pl.*
S. B., Trinity College (Conn.), 1911.

DAVID WENDEL CARTER, JR. San Antonio, Tex. 120 *Jackson Pl.*
A. B., Southwestern University, 1909, and A. M., 1910.

DOROTHY CHILD. Philadelphia, Pa. 104 *Jackson Pl.*
A. B., Bryn Mawr College, 1910.

MILDRED CLARK. Brookline, Mass. 104 *Jackson Pl.*
A. B., Wellesley College, 1910.

HOWARD SPENCER COLWELL. Auburn, N. Y. 305 *N. Bdway.*
S. B., Colgate University, 1910.

ROBERT HOPE CRAWFORD. Rock Hill, S. C. 1814 *N. Bdway.*
S. B., Davidson College, 1910.

ISAAC DAVIS. Pittsburgh, Pa. 116 *Jackson Pl.*
A. B., Harvard University, 1910.

RALPH MOORE DODSON. Baker City, Ore. 1322 *N. Caroline St.*
A. B., University of Oregon, 1910.

DRAYTON HOWARD DOHERTY. Selma, Ala. 113 *Jackson Pl.*
A. B., Howard College, 1910.

JOHN CALVERT DONALDSON. Philadelphia, Pa. 106 *Jackson Pl.*
Ph. B., Yale University, 1910.

HARRY BRIGHT DORNBLASER. Springfield, O. 1022 *N. Bdway.*
A. B., Wittenberg College, 1907, and A. M., 1910.

CHESTER ARTHUR DOWNS. Portland, Ore.
A. B., University of Oregon, 1910; Medical Student, Harvard Medical School, 1910-1911.

EDMUND FREDERIC DUCASSE. Baltimore. 1632 *Jefferson St.*
A. B., University of Washington, 1910.

WILLIAM CORE DUFFY. Wilson, N. C. 812 *N. Broadway.*
A. B., Wake Forest College, 1910.

JOHN BAXTER DUNCAN. Macon, Ga. 111 *Jackson Pl.*
A. B., Mercer University, 1910.

GEORGE R. DUNN. Princeton, Minn. 1220 *N. Bdway.*
Ph. B., Hamline University, 1910.

*Second year work partly completed.

AVIS CHIPPEWA EATON. Princeton, Minn. 104 *Jackson Pl.*

A. B., Wellesley College, 1909.

MARION W. EMRICK. Shamokin, Pa. 716 *N. Broadway.*

Ph. B., Franklin and Marshall College, 1910.

THOMAS SHEPHERD ENGLAR. Medford. 807 *St. Paul St.*

A. B., Western Maryland College, 1910; Medical Student, University of Wisconsin, 1910-1911.

FRANK ALEXANDER EVANS. Wilkinsburg, Pa. 1624 *N. Bdway.*

A. B., Washington and Jefferson College, 1910.

*JOHN WILLIAM FAUST. Schenectady, N. Y. 1900 *Jefferson St.*

S. B., Union College, 1909.

JAMES GRANT FERGUSSON. Forfarshire, Scotland.

A. B., Leland Stanford Jr. University, 1908; Medical Student University of St. Andrew (Scotland), 1910-1911. 1024 *Broadway.*

LEROY NEWTON FLEMING. Oxford, O. 1021 *N. Broadway.*

A. B., Miami University, 1910.

MORRIS FLEXNER. Louisville, Ky. 109 *Jackson Pl.*

A. B., University of Michigan, 1910.

MARY LOUISE FRAZEE. Pittsburgh, Pa. 421 *N. Kenwood Av.*

A. B., Woman's College of Baltimore, 1908; Graduate Student, Johns Hopkins University, 1908-1909.

HAROLD BEARCE GARDNER. New Hampton, Ia. 716 *N. Bdway.*

S. B., Grinnell College, 1910.

FLOYD GRAVE. Monrovia, Ind. 106 *Wyndhurst Av.*

S. B., Carleton College, 1908.

HUGH JOHNSON HAGAN. Roanoke, Va. 111 *Jackson Pl.*

A. B., Washington and Lee University, 1910.

RAYMOND FISHER HAIN. Bernville, Pa. 122 *Jackson Pl.*

S. B., Bucknell University, 1910.

RAYMOND CONFER HALL. Mill Hall, Pa. 1516 *E. Biddle St.*

S. B., Wesleyan University (Conn.), 1909.

*HENLY HUNTON HAMPTON. Hill City, Tenn. 109 *N. Bdway.*

S. B., University of Tennessee, 1903.

BRYANT EUGENE HARRELL. Norfolk, Va. 1020 *N. Broadway.*

A. B., Randolph-Macon College, 1907.

WALTER CLARK HAUPT. Balto. 215 *Longwood Rd., Roland Pk.*

Ph. D., Johns Hopkins University, 1908; Graduate Student, University of Michigan, 1910.

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*Second year work partly completed.

MARY ASHMUN HODGE. San Diego, Cal. 104 *Jackson Pl.*

A. B., Leland Standford Jr. University, 1908; Graduate Student, *ibid*, 1909-1910.

CHARLES WARREN HOOPER. Great Bend, Kan. 318 *N. Bdway.*

A. B., University of Kansas, 1911; Medical Student, *Ibid.*, 1909-1911.

FRANK M. HOUCK. Boiling Springs, Pa. 136 *Richmond St.*

Ph. B., Dickinson College, 1910.

LYMAN FOSTER HUFFMAN. Galion, O. 1032 *N. Broadway.*

S. B., Ohio Wesleyan University, 1910.

JAMES ELDER HUTCHISON. Xenia, O. 1020 *N. Broadway.*

A. B., Ohio State University, 1909; Graduate Student, Iowa State University, 1909-1910.

RUTH INGRAHAM. Brooklyn, N. Y. 239 *W. Biddle St.*

A. B., Vassar College, 1907; Graduate Student, Barnard College, 1909-1910.

WILLIAM DAVID JACK. Peru, Nebr. 802 *N. Broadway.*

A. B., Creighton University, 1908; Graduate Student, University of Chicago, 1909-1910.

WALTER FALKE JONES. Utica, N. Y. 111 *Jackson Pl.*

A. B., Hamilton College, 1908, and A. M., 1911.

CLAUDE CURRIE KELLY. Valdosta, Ga. 1810 *N. Broadway.*

S. B., Davidson College, 1909.

CLARENCE SEARLE KETCHAM. Newburgh, N. Y. 1624 *N. Bdway.*

B. L., Rutgers College, 1910.

JOHN THEODORE KING, JR. Baltimore. 1425 *Eutaw Place.*

A. B., Princeton University, 1910.

LEIGH SEWARD KRAKE. Sioux Falls, S. D. 131 *Jackson Pl.*

A. B., University of Nebraska, 1907.

CHARLES ELMER MAGOUN. Sioux City, Ia. 136 *Richmond St.*

A. B., Morningside College, 1910.

NORMAN CLYDE MARVEL. Baltimore. 2026 *W. Fayette St.*

A. B., Johns Hopkins University, 1910.

RUFUS AYERS MORISON. Big Stone Gap, Va. 2016 *N. Calvert St.*

Graduate, Virginia Military Institute, 1905.

ROSCOE E. MOSIMAN. Aberdeen, S. Dak. 1041 *N. Bdway.*

S. B., Huron College, 1910.

ROBERT DAVIES MOYLE. Toronto, Canada. 112 *Jackson Pl.*

A. B., McMaster University, 1908.

JOHN SHAFFER PLUMER. Emsworth, Pa. 1122 *Mosher St.*

S. B., University of Pittsburgh, 1909.

LESLIE HALL REDELINGS. Marinette, Wis. 706 *N. Bdway.*
S. B., Northwestern University, 1909, and M. S., 1910.

JOHN DAVIS REICHARD. Fairplay. 109 *N. Broadway.*
A. B., Trinity College (Conn.), 1910.

FERDINAND OSCAR W. REINHARD. Baltimore. 1400 *Linden Ave.*
A. B., Johns Hopkins University, 1908.

DOUGLAS FORD ROBBINS. Mason City, Ia. 1505 *N. Caroline St.*
A. B., Morningside College, 1907.

AARON ROBINSON. Baltimore. 1100 *E. Fayette St.*
A. B., Johns Hopkins University, 1910.

*ETHEL MAY ROCKWOOD. Townsend, Mass. *S. W. cor. Ann St. and Fairmount Av.*
S. B., Simmons College, 1909.

ALMA SOPHIA ROTHHOLZ. Baltimore. 2108 *Bolton St.*
A. B., Smith College, 1910.

LIPPMAN LEVY ROTHSCHILD. Buffalo, N. Y. 105 *Jackson Pl.*
A. B., Yale University, 1910.

F. ALLEN RUTHERFORD. Royalton, Pa. 1731 *Fairmount Av.*
A. B., Lebanon Valley College, 1910.

HARRY SALTZSTEIN. Milwaukee, Wis. 110 *Jackson Pl.*
Ph. B., Yale University, 1910.

JOHN JOSEPH S. SCHMITT. Brooklyn, N. Y. 118 *Jackson Pl.*
A. B., St John's College (Brooklyn), 1910.

JOHN HOLT SEWELL. Jacksboro, Tex. 144 *Jackson Pl.*
E. E., University of Texas, 1908.

FLOYD ELMER SHAFFER. Lebanon, Pa. 1731 *Fairmount Av.*
A. B., Lebanon Valley College, 1910.

JOSEPH LESLIE SHERRICK. Monmouth, Ill. 527 *N. Wolfe St.*
A. B., Monmouth College, 1908; A. M., Yale University, 1910.

LEROY BRIGGS SHERRY. Pasadena, Calif. 716 *N. Bdway.*
A. B., University of Illinois, 1910.

RICHARD LEE SILVESTER. College Park. 812 *N. Broadway.*
S. B., Maryland Agricultural College, 1909; Graduate Student, *ibid*, 1909-1910.

JOHN FREDERICK SMITH. Cedar Falls, Ia. 113 *Jackson Pl.*
A. B., Lake Forest University, 1907.

LANDON ELWOOD STUBBS. Belroi, Va. 1022 *N. Broadway.*
A. B., Randolph-Macon College, 1910.

*Second year work partly completed.

HERBERT DOUGLAS TAYLOR. Baltimore. 1254 *N. Broadway.*
A. B., St. John's College, 1910.

OTTO E. UTZINGER. Astoria, Ore. 1731 *Fairmount Av.*
A. B., Leland Stanford, Jr., University, 1910.

JOSEPH STEPHENS VANNEMAN. Havre de Grace. 136 *Richmond St.*
Ph. B., Dickinson College, 1910.

LAURIE VAN VALZAH. Springfield, Ore. 1123 *N. Caroline St.*
A. B., University of Oregon, 1910.

MAURICE STEVENSON WEAVER. Gettysburg, Pa. 141 *Jackson Pl.*
S. B., Pennsylvania College, 1909.

JOSEPH WEBB. Springfield, O. 1022 *N. Bdway.*
A. B., Wittenberg College, 1910.

ROSCOE CLAYTON WEBB. Tracy, Minn. 111 *Jackson Pl.*
A. B., University of Minnesota, 1911.

JEROME PIERCE WEBSTER. Plymouth, N. H. 305 *N. Bdway.*
A. B., Trinity College (Conn.), 1910.

HARRY EUGENE WILSON. Tilghmans. 1028 *N. Broadway.*
A. B., St. John's College, 1910.

SYLVAIN BEER WOLFF. Washington, La. 1032 *N. Bdway.*
S. B., Louisiana State University, 1910.

EVANS BEAUCHAMP WOOD. Troy, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1907, and M. S., 1908.

ALAN CHURCHILL WOODS. Baltimore. 842 *Park Ave.*
A. B., Johns Hopkins University, 1910.

HERBERT MAXWELL NASH WYNNE. Bethany, W. Va. 2016 *N. Calvert Street.*
S. B., Bethany College, 1906, A. M., 1907; Graduate Student, Ohio State University, 1909.

ISADORE ZADEK. Montgomery, Ala. 109 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1910.

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First Year Class

FRANK EARL ADAIR. Beverly, O. 1032 *N. Broadway.*
A. B., Marietta College, 1910.

ELIZABETH INGRAM ADAMSON. Maysville, Ky. 1705 *Fairmount Av.*
A. B., Wellesley College, 1911.

WILLIAM WILLIS ANDERSON. Danburg, Ga. 810 *N. Broadway.*

A. B., University of Georgia, 1911.

HARVEY MONTREVILLE ANDREW. Deer Lick, Pa. 2216 *N. Charles St.*

S. B., Waynesburg College, 1911.

CHARLES ARMSTRONG. Alliance, O. 1033 *N. Broadway.*

S. B., Mount Union College, 1910.

DANA WINSLOW ATCHLEY. Butte, Mont. 503 *N. Wolfe St.*

S. B., University of Chicago, 1911.

JOHN AULL. Lexington, Mo. 1034 *N. Bdway.*

A. B., University of Virginia, 1911.

ARTHUR MAYNARD BACON. Westminster. 103 *Jackson Pl.*

A. B., Western Maryland College, 1911.

JOHN COOK BALDWIN. Brooklyn, N. Y. 1017 *N. Bdway.*

S. B., Hamilton College, 1910; Graduate Student, University of Berlin, 1910-1911.

JOSEPH LAMSON BARBER. Portland, Ore. 111 *Jackson Pl.*

A. B., University of Oregon, 1907; Graduate Student, University of Chicago, Jan.-Sept., 1908, and University of Oregon, 1909-1910.

ROGER PUTNAM BATCHELOR. Milwaukee, Wis. 1727 *N. Bdway.*

A. B., University of Wisconsin, 1911.

HAROLD EDWARDS BATES. Portland, Ore. 1327 *N. Caroline St.*

A. B., University of Oregon, 1910.

LEO CHAPMAN BEAN. Galliopolis, O. 1731 *N. Bdway.*

Ph. B., Ohio University, 1911.

GEORGE BRAUNLICH. Davenport, Ia. 706 *N. Bdway.*

Ph. B., University of Chicago, 1910.

SAM BROCK. Carrollton, Ga. 1025 *N. Bdway.*

A. B., University of Georgia, 1911.

WALTER C. BURKET. Kingman, Kans.

S. B., University of Chicago, 1911.

JAMES JULIAN CHISOLM. Natchez, Miss. 109 *Jackson Pl.*

A. B., Princeton University, 1911.

ROBERT ALBERT CHRISTMAN. Kresgeville, Pa. 144 *Jackson Pl.*

Ph. B., Lafayette College, 1911.

FREDERICK CHRISTOPHER. Evanston, Ill. 1731 *N. Bdway.*

S. B., Northwestern University, 1911.

ADMONT HALSEY CLARK. Miyazaki, Japan. 125 *Jackson Pl.*

A. B., Oberlin College, 1910.

JEFFERSON HAMER CLARK, JR. Philadelphia, Pa. 424 *N. Bdway.*

A. B., Haverford College, 1911.

SAMUEL WOLCOTT CLAUSEN. Canandaigua, N. Y. 112 *Jackson Pl.*

A. B., Williams College, 1910; Graduate Student, Princeton University, 1910-1911.

HARRY DUFFIELD CLOUGH. New Bedford, Mass. 1006 *N. Bdway.*

A. B., Brown University, 1908, and A. M., 1911.

ALVA BROWN CRADDOCK. Jackson's Gap, Ala. 318 *N. Bdway.*

B. Sc., Howard College, 1908, and M. Sc., 1909; Special Student, *Ibid.*, 1911.

RENA CRAWFORD. Columbus, Miss. 102 *Jackson Pl.*

Ph. B., University of Chicago, 1903; A. M., Columbia University, 1910.

ROBERT SYDNEY CUNNINGHAM. Anderson, S. C. 1228 *N. Bdway.*

S. B. and A. M., Davidson College, 1911.

ARTHUR BLISS DAYTON. Nangatuck, Conn. 101 *Jackson Pl.*

Ph. B., Yale University, 1911.

BEECKMAN J. DELATOUR. Brooklyn, N. Y. 1727 *N. Bdway.*

S. B., Amherst College, 1911.

WOODS FREDERICK DERR. Watsontown, Pa. 1119 *N. Caroline St.*

A. B., Bucknell University, 1911.

MARJORIE DIETZ. Hazleton, Pa. 1705 *Fairmount Av.*

A. B., Wellesley College, 1907.

HAROLD BALL DISBROW. Lakewood, N. J. 135 *Jackson Pl.*

A. B., Princeton University, 1911.

DU MONT F. ELMENDORF. New Brunswick, N. J. 1731 *N. Bdway.*

A. B., Rutgers College, 1911.

REUBEN JOHAN ERICKSON. Galesburg, Ill. 1029 *N. Bdway.*

A. B., Knox College, 1911.

RUTH ELDRED FAIRBANK. Jacksonville, Ill. 102 *Jackson Pl.*

A. B., Illinois College, 1911.

ROY EDWIN FALLAS. Los Angeles, Cal. 1029 *N. Bdway.*

A. B., Leland Stanford Jr. University, 1911.

OTTO ALOIS FAUST. Schenectady, N. Y. 1900 *Jefferson St.*

Ph. B., Union College, 1911.

WILLIAM CARSON VON GLAHN. Wilmington, N. C. 1228 *N. Bdway.*

S. B., Davidson College, 1911.

SAMUEL JAMES GLASS, JR. Pittsburgh, Pa. 1625 *N. Bdway.*

S. B., University of Pittsburgh, 1911.

WILLIAM MAYES GOBER, JR. Marietta, Ga. 1006 *N. Bdway.*

A. B., University of Georgia, 1909.

CALVIN HOOKER GODDARD. Baltimore. *The Walbert.*

A. B., Johns Hopkins University, 1911.

LEWIE MULLER GRIFFITH. Columbia, S. C. 426 *N. Wolfe St.*

S. B., University of South Carolina, 1908.

ROY GRIFFITH. Bogart, Ga. 1006 *N. Broadway.*

S. B., University of Georgia, 1911.

RUSSELL LANDRAM HADEN. Crozet, Va. 1025 *N. Broadway.*

A. B., University of Virginia, 1910, and A. M., 1911.

WILLIAM MORRIS HAPP. Macon, Ga. 1025 *N. Broadway.*

A. B., University of Georgia, 1911.

VERNON OFFUTT HEDDENS. St. Joseph, Mo. 428 *N. Bdway.*

A. B., University of Missouri, 1910.

STEWART VERNON IRWIN. Oakland, Cal. 718 *N. Broadway.*

S. B., University of California. Degree to be granted in December, 1911.

MILDRED JENKS. Boston, Mass. 102 *Jackson Pl.*

A. B., Wellesley College, 1911.

MORRIS JOSEPH. Passaic, N. J. 1737 *Jefferson St.*

S. B., New York University, 1911; Medical Student, Bellevue Hospital Medical College, 1910-1911.

GEORGE LOMBARD KELLY. Augusta, Ga. 1025 *N. Broadway.*

A. B., University of Georgia, 1911.

EDWARD KERK LEE. Perryman. 834 *E. Preston St.*

A. B., Loyola College, 1910; Graduate Student, J. H. U., 1910-1911.

CHARLES HAROLD MCCLOY. Danville, Va. 1513 *E. Lafayette Av.*

Ph. B., Marietta College, 1907, and A. M., 1910.

ROGER BOWER MCKAHAN. Waynesburg, Pa. 2216 *N. Charles St.*

Ph. B., Waynesburg College, 1911.

FLOYD WILLCOX MACRAE, JR. Atlanta, Ga. 305 *N. Broadway.*

Ph. B., Yale University, 1911.

*WILLIAM BREESE MCWHORTER. Royston, Ga.

S. B., University of Georgia, 1909.

LEE VICTOR MAHONEY. Portsmouth, Va. 1007 *N. Bdway.*

A. B., Rock Hill College, 1911.

HERTEL PHILIP MAKEL. Baltimore. 411 *N. Luzerne St.*

A. B., Johns Hopkins University, 1911.

MARY TAYLOR MASON. Philadelphia, Pa. *Hotel Sherwood.*

A. B., Bryn Mawr College, 1892; Graduate Student, *Ibid.*, 1893-1894 and 1909-1911.

VERNE RHEEM MASON. Long Beach, Cal. 718 *N. Bdway.*

S. B., University of California, 1911.

KENNETH FULLER MAXCY. Washington, D.C. 2633 *Guilford Av.*

A. B., George Washington University, 1911.

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*Not registered, Oct. 16, 1911.

DAVID RALPH MELEN. Rochester, N. Y. 726 *N. Bdway.*

S. B., University of Rochester, 1911.

JAMES SAMUEL MITCHENER. Selma, N. C. 1810 *N. Broadway.*

S. B., Davidson College, 1909; Medical Student, University of Maryland, 1909-1911.

JOHN GARDNER MURRAY, JR. Baltimore. *Charles St. Ave. and University Parkway.*

A. B., Johns Hopkins University, 1911.

HARVEY HUSTON MUSSER. Akron, O. 136 *Richmond St.*

A. B., Johns Hopkins University, 1911.

THOMAS CHRISTIAN PEIGHTAL. Altoona, Pa. 309 *N. Broadway.*

Ph. B., Franklin and Marshall College, 1911.

WASHINGTON PLATT. Baltimore. 802 *Cathedral St.*

Ph. B., Yale University, 1911.

GEORGE HEINRICHS PRESTON. Baltimore. 819 *N. Charles St.*

A. B., Johns Hopkins University, 1911.

MARY PUTNAM. New York, N. Y. 102 *Jackson Pl.*

A. B., Bryn Mawr College, 1910.

DAVIS NEEPER RICHARDS. Germantown. 1322 *N. Caroline St.*

A. B., University of Wooster, 1911.

GILBERT WHITE ROSENTHAL. Baltimore. 815 *Newington Ave.*

A. B., Johns Hopkins University, 1910; Graduate Student, *Ibid.*, 1910-1911.

ARNOLD GEORGE SCHEELE. Kelley's Island, O. 110 *Jackson Pl.*

A. B., Oberlin College, 1910, and A. M., 1911.

ADOLPH GEORGE SCHNACK. Honolulu, H. I. 428 *N. Broadway.*

A. B., Leland Stanford Jr. University, 1910; A. M., Yale University, 1911.

KATHARINE JULIA SCOTT. Pittsfield, N. H. 626 *N. Carrollton Av.*

A. B., Wellesley College, 1910; Graduate Student, Radcliffe College, 1910-1911.

JUDD CAMPBELL SHELLITO. Independence, Ia. 109 *Jackson Pl.*

S. B., Princeton University, 1911.

DONALD MARSH SHEWBROOKS. Holden, Mass. 1029 *N. Bdway.*

A. B., Middlebury College, 1909.

HARVEY M. SLATER. Salem, Ore. 1330 *N. Caroline St.*

A. B., University of Oregon, 1911.

DANIEL CLARKE WHARTON SMITH 2D. Balto. 216 *Ridgewood Rd., Roland Park.*

Ph. B., Yale University, 1911.

LUCIUS ERNEST SMITH. Lexington, Ky.

S. B., University of Kentucky, 1911.

L. Howard Smith. Huron, S. Dak. 1041 *N. Bdway.*
S. B., Huron College, 1910.

William White Southard. Redlands, Cal. 1040 *N. Bdway.*
A. B., Leland Stanford Jr. University, 1910.

John D. Southworth. Glendale, O. 1119 *N. Caroline St.*
A. B., Kenyon College, 1911.

Virgil Preston Willis Sydenstricker. West Point, Miss.
A. B., Washington and Lee University, 1910, and A. M., 1911. 101 *Jackson Pl.*

Benjamin Tappan. Baltimore. 1419 *Bolton St.*
A. B., Johns Hopkins University, 1911.

Prescott Stearns Tucker. Washington, D. C.
A. B., George Washington University, 1911. 802 *Mass. Ave. N. E.*

Charles Roberts Thomas. Westminster. 110 *N. Bdway.*
A. B., Western Maryland College, 1911.

William Clark Thomas. Bartow, Ga. 726 *N. Broadway.*
A. B., Emory College, 1911.

Donald Vaughn Trueblood. Seattle, Wash. 1336 *N. Caroline St.*
A. B., University of Washington, 1911.

Victor Roland Turner. Newark, O.
S. B., Denison University, 1909; A. M., Harvard University, 1911.

John Edward Walker. Alexander City, Ala. 1040 *N. Bdway.*
S. B., Alabama Polytechnic Institute, 1910, and M. S., 1911.

Charles Luther Warner. Baltimore. *Forest Park.*
A. B., Johns Hopkins University, 1911.

Charles Aloysius Welch. New Haven, Ct. 318 *N. Broadway.*
A. B., Yale University, 1911.

Roy Gillilan Werner. Columbus, O. 1029 *N. Bdway.*
A. B., Ohio State University, 1909; Graduate Student, *ibid.*, 1909 and 1910; Medical Student, University of Chicago, Summer, 1911.

Lawrence Richardson Wharton. Baltimore. 261 *W. Hoffman St.*
Ph. B., Hiram College, 1907; Graduate Student, Johns Hopkins University, 1910 and De Pauw University, 1911.

Henry Stafford Whisman. Salinas, Cal. 1032 *N. Broadway.*
S. B., University of California, 1911.

Louis Hicks Williams. Faison, N. C. 1040 *N. Broadway.*
A. B., University of North Carolina, 1911.

EDWARD BLAINE WIX. New York, N. Y.

Ph. B., Yale University, 1911.

F. SIMON WOO. Chang Chow, China. 249 *W. Hoffman St.*

A. B., St. John's University, Shanghai, 1910; Graduate Student, Johns Hopkins University, 1910-1911.

*MARY WHITALL WORTHINGTON. New York, N. Y. 1228 *Madison Av.*

A. B., Bryn Mawr College, 1910.

*First year work partly completed.

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PHYSICIANS ATTENDING GRADUATING COURSES DURING 1910-1911

H. Seth Anderton. Baltimore.

M. D., University of Maryland, 1910. *Medicine.*

Joshua F. Abel. Waynesville, N. C.

M. D., University of Baltimore, 1892. *Pediatrics.*

Henry J. Ault. Dalton, Ga.

M. D., Atlanta Coll. P. & S., 1905. *Medicine.*

Morriss Cahn. Lancaster, Pa.

M. D., University of Maryland, 1910. *Medicine.*

Henry J. Cassidy. Roland Park.

M. D., University of Maryland, 1890. *Medicine.*

Lester B. Cavins. Bloomington, Ill.

M. D., Baltimore Medical College, 1904. *Medicine.*

Charles E. Clark. Sivas, Turkey.

M. D., University of Michigan, 1912. *Medicine, Genito-Urinary Surgery and Clinical Microscopy.*

Charles B. Ensor. Baltimore.

M. D., Baltimore Medical College, 1903. *Neurology.*

Ameen V. Fareed. Ispahan, Persia.

M. D., University of Illinois, 1907. *Medicine.*

Ira L. Fetterhoff. Baltimore.

M. D., University of Maryland, 1885. *Gynecology.*

Norman W. File. Roanoke, Va.

M. D., Baltimore Medical College, 1908. *Medicine and Pediatrics.*

Herbert M. Foster. Baltimore.

M. D., University of Maryland, 1910. *Medicine.*

Ernest H. Gaither. Baltimore.

M. D., Baltimore Medical College, 1905. *Medicine.*

Joseph S. Garrison. Baltimore.

M. D., Hahnemann Medical College (Phila.), 1889. *Gynecology.*

Frank Garvey. Scranton, Pa.

M. D., Medico-Chirurgical College (Phila.), 1909. *Genito-Urinary Diseases.*

Henry D. Gilman. Elkton, Va.

M. D., University College of Medicine (Richmond), 1904. *Medicine.*

J. Scott Goodpaster. Owingsville, Ky.

M. D., Louisville Hosp. Med. Coll., 1908. *Medicine.*

ARTHUR J. GRIFFETH. Comer, Ga.

M. D., University of Georgia, 1904. *Medicine.*

ROBERT B. HARKNESS. Houghton, Mich.

M. D., Memphis Hospital Medical College, 1899. *Medicine.*

HIRAM A. HASKELL. Jacksonville, Ill.

M. D., Northwestern University, 1899. *Medicine.*

EUGENE H. HAYWARD. Baltimore.

M. D., Baltimore Medical College, 1901. *Gynecology.*

E. HELLER HENNING. Baltimore.

M. D., University of Maryland, 1908. *Medicine.*

FREDERICK M. HODGES. Richmond, Va.

M. D., University of Pennsylvania, 1908. *Medicine.*

DAVID E. HOFF. Hagerstown.

M. D., University of Maryland, 1902. *Surgical Pathology.*

JOHN H. HOSTETTER. Colo, Ia.

M. D., Northwestern University, 1910. *Bacteriology.*

J. KNOX INSLEY. Baltimore.

M. D., University of Maryland, 1908. *Pediatrics.*

EDWARD T. JARVIS. Macomb, Ill.

M. D., College of Physicians and Surgeons (Chicago), 1904. *Gross Anatomy.*

LEWIS W. JEFFERIES. Adelaide, S. Australia.

M. B., University of Adelaide, 1907. *Pathology.*

STEPHEN R. JOHNSTON. Dartmouth, N. S.

M. D. C. M., Dalhousie University, 1906. *Medicine.*

HENRY O. JONES. Baltimore.

M. D., Jefferson Medical College, 1905. *Genito-Urinary Surgery.*

HOWARD W. JONES. Baltimore.

M. D., University of Maryland, 1903. *Clinical Microscopy.*

THOMAS W. KAY. Scranton, Pa.

M. D., College of Physicians and Surgeons (Balt.), 1879. *Medicine.*

DANIEL I. LEATHERMAN. Thurmont.

M. D., College of Physicians and Surgeons (Balt.), 1886. *Medicine.*

KATE W. LEATHERMAN. Thurmont.

M. D., Woman's Medical College (Phila.), 1895. *Medicine.*

HARRY M. LEE. New London, Conn.

M. D., College of Physicians and Surgeons (N. Y.), 1898. *Surgery and Gross Anatomy.*

MURDOCK MACGREGOR. Fargo, N. Dak.

M. D. C. M., Trinity University (Toronto), 1897. *Genito-Urinary Surgery.*

J. W. McCarver. Brownwood, Tex.

M. D., University of Texas, 1908. *Medicine.*

Rice K. McClanahan. East Las Vegas, N. Mexico.

M. D., Jefferson Medical College, 1898. *Medicine.*

Leslie B. Miller. Kansas, City, Mo.

M. D., University Medical College (Kansas City), 1907. *Medicine.*

Fayette H. Montgomery. Danville, Ky.

M. D., George Washington University, 1892. *Ophthalmology and Gynecology.*

Robert G. Murrie. Albany, Texas.

M. D., University of Texas, 1905. *Gynecology.*

Thomas Parker. Klamath Falls, Ore.

M. D., Rush Medical College, 1886. *Medicine.*

Leon A. Peek. W. Palm Beach, Fla.

M. D., College of Physicians and Surgeons (Balt.), 1897. *Medicine.*

Rudolph Rix. Omaha, Nebr.

M. D., Creighton University, 1899. *Gynecology.*

Charles H. Root. Bassett, Nebr.

M. D., University of Nebraska, 1903. *Surgical Pathology and Medicine.*

William E. Sanders. Alta, La.

M. D., Marion Sims College of Medicine, 1893. *Gross Anatomy.*

Walter F. Scott. Birmingham, Ala.

M. D., University of Virginia, 1904. *Genito-Urinary Surgery.*

Maurice E. Shamer. Baltimore.

M. D., Baltimore Medical College, 1910. *Gynecology.*

Jacob A. Shields. Villanow, Ga.

M. D., Chattanooga Medical College, 1903. *Medicine.*

Frank H. Smith. Richmond, Va.

M. D., University College of Medicine (Richmond), 1904. *Medicine.*

Harry G. Steele. Keystone, W. Va.

M. D., College of Physicians and Surgeons (Balt.), 1903. *Gynecological Pathology, and Obstetrics.*

William Steele. Philadelphia, Pa.

M. D., Hahnemann Medical College, 1903. *Medicine.*

Sidney Strauss. Chicago, Ill.

M. D., Harvard University, 1904. *Medicine.*

Merrick W. Swords. Opelousas, La.

M. D., Tulane University, 1907. *Genito-Urinary Surgery.*

WILLIAM D. WHITTEN. Baltic, Mich.

M. D., University of Michigan, 1902. *Medicine and Pediatrics.*

O. CLARK WILLHITE. Chicago, Ill.

M. D., Rush Medical College, 1896. *Medicine.*

JAMES S. WOODWARD. Roland Park.

M. D., Columbian University, 1880. *Medicine.*

AMELIA V. ZIMMERMAN. Baltimore.

M. D., Southern Homeopathic Medical College, 1895. *Medicine and Pediatrics.*

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Geographical Distribution of Students Enrolled and Their Places of Graduation

Alabama	8	North Carolina	11
Arkansas	4	North Dakota	1
California	14	Ohio	20
Connecticut	12	Oregon	8
District of Columbia	3	Pennsylvania	32
Florida	1	Rhode Island	1
Georgia	22	South Carolina	5
Hawaiian Islands	1	South Dakota	3
Idaho	1	Tennessee	2
Illinois	9	Texas	5
Indiana	8	Utah	2
Iowa	9	Vermont	1
Kansas	3	Virginia	15
Kentucky	12	Washington	3
Louisiana	4	West Virginia	6
Maine	3	Wisconsin	8
Maryland (Baltimore, 35)	19	Wyoming	1
Massachusetts	12		
Minnesota	3		
Mississippi	3	*Foreign*	
Missouri	7		
Montana	1	Canada	1
Nebraska	2	China	1
New Hampshire	2	France	1
New Jersey	6	Japan	1
New York	26	Scotland	1

Alabama Polytechnic Inst.	3	Chicago, University of	11
Allegheny College	1	Cincinnati, University of	1
Amherst College	3	Clark College	1
Arkansas, University of	4	Coe College	1
Barnard College	2	Colby College	2
Baylor University	1	Colgate University	2
Bethany College	1	Creighton University	1
Brown University	3	Davidson College	9
Bryn Mawr College	5	Denison University	1
Bucknell University	2	Dickinson College	3
Butler College	1	Emory College	4
California, University of	4	Florida, University of	1
Carleton College	1	Franklin & Marshall College	4
Central University (Ky.)	4	Georgetown College	3

Georgia, University of	12
George Washington Univ.	2
Goucher College	4
Grinnell College	1
Hamilton College	2
Hamline University	1
Harvard University	6
Haverford College	3
Hiram College	1
Howard College	2
Huron College	2
Illinois College	1
Illinois, University of	1
Indiana University	2
Iowa College	1
Iowa, University of	1
Johns Hopkins University	29
Kansas, University of	1
Kentucky State University	2
Kenyon College	1
Knox College	1
Lafayette College	1
Lake Forest University	1
Leland Stanford Jr. Univ.	12
Lebannon Valley College	2
Louisiana State University	3
Loyola College	1
Marietta College	2
Maryland Agricultural Coll.	1
McMaster University	1
Mercer University	3
Miami University	1
Michigan, University of	1
Middlebury College	1
Minnesota, University of	1
Missouri, University of	2
Monmouth College	1
Mount Union College	1
Morningside College	2
Muhlenburg College	1
Nebraska, University of	2
North Carolina, Univ. of	2
N. Dakota Agri. College	1
Northwestern University	2
New York University	1
Oberlin College	3
Ohio State University	4
Ohio Wesleyan University	4
Oregon, University of	6
Paris, University of	1
Pennsylvania College	4
Pittsburgh, University of	2
Pomona College	1
Princeton University	7
Purdue University	3
Randolph-Macon College	8
Richmond College	1
Roanoke College	2
Rochester, University of	1
Rock Hill College	2
Rutgers College	2
Simmons College	1
Smith College	1
St. John's Univ. (Shanghai)	1
South Carolina, Univ. of	2
Southern University	1
Southwestern University	1
St. John's Coll. (Annapolis)	6
St. John's Coll. (Brooklyn)	1
St. Louis University	1
Syracuse University	3
Tennessee, University of	1
Texas, University of	2
Trinity College (Conn.)	5
Union College	2
Ursinus College	1
Vanderbilt University	1
Vassar College	2
Virginia Military Institute	1
Virginia, University of	3
Wabash College	1
Wake Forest College	4
Washington State College	1
Washington, University of	2
Washingt'n & Jeffers'n Coll.	2
Washington & Lee Univ.	4
Waynesburg College	2
Wellesley College	6

Wesleyan Univ. (Conn.)	1	Williams College	6
West Lafayette College	1	William Jewell College	1
Western Maryland College	4	Wisconsin, University of	6
West Virginia, Univ. of	3	Wittenberg College	2
Whitman College	1	Wooster, University of	1
Whitworth College	1	Yale University	22

DOCTORS OF MEDICINE OF THE JOHNS HOPKINS UNIVERSITY

(When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.)

1897

Charles Russell Bardeen, A. B., Harvard, 1893; Asst., Assoc., and Assoc. Prof. of Anatomy, 1897-1904.—Prof. of Anatomy and Dean Med. Sch. Univ. of Wisconsin, Madison.

Thomas Richardson Brown, A. B., 1892; Resident House Officer, 1897-1898; Asst. Physician and Assoc. in Medicine; Assoc. Editor, Maryland Med. Jour.; Physician, Baltimore.

*Walter S. Davis, S. B., Amherst, 1893; Resident House Officer, 1897-1898.

Louis Philip Hamburger, A. B., 1893; Resident House Officer, 1897-1898.—Assoc. and Asst. Physician; Attending Physicion, Union Prot. Infirmary; Hebrew Hosp.; Woman's Hosp.; Children's Convales. Home and Physician, Baltimore.

Guy LeRoy Hunner, S. B., Wisconsin, 1893; Resident House Officer, Asst. Resident and Resident Gynecologist and Instr., 1897-1902.—Associate in Gynecology; Physician, Baltimore.

Irving Phillips Lyon, A. B., Yale, 1893; Resident House Officer, 1897-1898.—Lect. Clinical Med., and Librarian, Univ. of Buffalo; Asst. Attending Physician, Buffalo Gen'l. Hosp., and Physician, Buffalo, N. Y.

William George MacCallum, A. B., Toronto, 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-1900; Assoc. in Pathol. and Assoc. Prof. of Pathology, 1900-1908; Prof. Path. Physiol., Lecturer in Forensic Med., 1908-1909, and Resident Pathologist, 1900-1909.—Visit'g. Pathol. Presbyterian Hosp. and Prof. Pathol., Columbia, N. Y.

Charles Neil McBryde, S. B., South Carolina, 1891; M. S., Va. Polytech. Inst., 1892.—Senior Bacteriol., Biochem. Div. Dept. of Agriculture, Washington, D. C.

James Farnandis Mitchell, A. B., 1891; Resident House Officer, Asst. Resident and Resident Surgeon, and Instr. in Surgery, 1897-1902.—Surg. Providence Hosp. and Surgeon, Washington, D. C.

Joseph Longworth Nichols, A. B., Harvard, 1893; Fellow in Pathol., 1897-1898; Student, Berlin, 1898-1899.—Asst. in Lab., Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B., 1893; Resident House Officer, Fellow, Asst. Instr. and Assoc. in Pathology, 1897-1904; Member, Rockefeller Institute for Med. Research, N. Y.; Pathol. Presbyterian Hosp., Co-Editor, Jour. Exp. Med., N. Y., 1904-1910.—Professor of Pathol., Washington Univ., St. Louis.

Mary Secord Packard, A. B., Vassar, 1892; Harvard Summer Sch., 1893; Resident House Officer, 1897-1898; Physician, Kingsley, House (Coll. Settlement), Pittsburg, 1898-1900; Pathologist, New Eng. Hosp., Boston, 1902-1903.—Rehoboth, Mass.

Omar Borton Pancoast, S. B., Swarthmore, 1893; Resident House Officer, 1897-1898; Resident Surgeon, Union Prot. Infirmary, 1898-1900.—Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Clement Andariese Penrose, A. B., 1893; Resident House Officer, 1897-1898.—Member Visit. Staff, Church Home and Infirmary, and Physician, Baltimore.

Richard Pearson Strong, Ph. B., Yale, 1893; Resident House Officer, 1897-1898; Asst. Surg., U. S. Army, in charge Army Path. Lab., Manila, 1899-1901.—Chief Gov't Biol. Lab'y, U. S. A.; Phys.-in-Chief, Philippine Genl. Hosp., and Prof. Tropical Med., The Philippine Med. Sch., Manila. (15)

1898

William Stevenson Baer, A. B., 1894; Resident House Officer and Asst. Resident Surgeon, 1898-1900; Asst. Instr. and Assoc. in Orthopedic Surgery, 1900-1910.—Visiting Orthoped. Surg., Cambridge Hosp., Union Prot. Infirmary, Church Home, Robt. Garrett Hosp. for Children and Home for Incurables; Ortho. Surg.; Associate Professor of Orthopedic Surg.

William Jephtha Calvert, A. B., Kentucky, 1893; 1st Lieut. and Asst. Surgeon, U. S. A., Fort McHenry, 1898-1902; Lecturer,

Tropical Diseases, Washington Univ., St. Louis, 1902-1903; Prof. Physical Diag. and Clin. Pathol., Univ. of Missouri, Columbia, 1903-1909; Baylor University, Dallas, Texas, 1910-1911.—Prof. Preventive Medicine, U. of Mo., Columbia.

Patrick Joseph Cassidy, A. B., Yale, 1894; Asst. Resident Physician, Backus Hosp., 1898-1899.—Visiting Pathol. and Surg. Mem. Hosp. and Physician, Norwich, Conn.

*John Williams Coe, Ph. B., Yale, 1893; Senior Asst. House Staff, Presbyterian Hosp., N. Y., 1898-1899, and Resident Physician, 1899-1900.—Asst. Clinical Pathol., Cornell Univ., and Physician, N. Y. Died at New York March 6, 1911.

Percy Millard Dawson, A. B., 1894; Fellow, Asst. Instr. Assoc. and Assoc. Prof. of Physiology, 1898-1909; Spec. Student, Harvard Divinity Sch., Cambridge, Mass., 1909-1910.—Minister, 1st Unitarian Church, Ann Arbor, Mich.

Arthur Wells Elting, A. B., Yale, 1894; Resident House Officer, 1898-1899; Asst. in Pathol., Albany Med. Sch., 1899-1900.—Surgeon, Child's Hosp. Attend. Surg., Albany Hosp.; St. Peter's Hosp. Consult. Surg. Hudson Hosp. and Prof. of Surgery, Albany Med. School; Surgeon, Albany.

William Webber Ford, A. B., Adelbert, 1893; D. P. H., McGill, 1900; Resident House Officer, 1898-1899; Fellow, Pathol., McGill Univ., 1899-1901; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-1902, and J. H. U., 1902-1903, Instr. and Assoc. in Bacteriol., 1903-1906.—Assoc. Prof. of Hygiene and Bacteriology and Lecturer in Legal Medicine.

Thomas Wood Hastings, A. B., 1894; Resident House Officer, 1898-1899; Surgeon, Hospital Ship "Maine," 1899-1900.—Prof. Clinical Pathol., Cornell Univ. Med. Coll.; Asst. Attend. Physician, Bellevue Hosp.; Physician, N. Y.

Alfred Birch Herrick, A. B., Williams, 1894; Resident House Officer, 1898-1899; Resident Physician, National Soldiers' Home, 1899-1900; Resident Surgeon, Barnes Hosp., Washington, D. C., 1900-1904; Chief Surg. Clinic, Ancon Hosp., C. Z.

James Hall Mason Knox, Jr., A. B., Yale, 1892, and Ph. D., 1894, A. M., Lafayette, 1896; Resident House Officer, and Asst. and Instr. in Pediatrics, 1898-1909.—Asst. Pediatrician and Assoc. in Pediatrics; Physician in Charge, The Thomas Wilson Sanitarium; Physician, Baltimore.

Millard Langfeld, A. B., 1893.—Prof. Med. Bacteriol. and Embryol., Creighton Med. Coll., Bacteriologist, Omaha City Board of Health; Physician, St. Joseph's and Douglas Co. Hospitals, Member Omaha Milk Com.; Visit. Physician, Nebr. Sch. for Deaf, and Physician, Omaha, Neb.

Gertrude Underhill Light, S. B., Wisconsin, 1894; Physician, Randall's Island Hosp. for Children, N. Y., 1898-1899; Demonstrator, Pathol., Wisconsin Coll. of P. & S., 1899-1900; Clinical Asst., Bellevue Hosp. Disp., 1901-1902.—Sanitary Inspector, Tenement House Dept., New York.

James Daniel Madison, S. B., Wisconsin, 1894; Resident House Officer, 1898-1899; Asst. Resident Physician, Danvers Insane Hosp., Mass., 1899-1902.—Prof. Medicine, Wis. Coll., of P. & S., Visit'g Physician, Milwaukee Hosp. and County Hospitals, and Physician, Milwaukee.

Harry Taylor Marshall, A. B., 1894; Resident House Officer, 1898-1899; Fellow, 1899-1900; Asst. Resident Pathologist, and Instr. in Pediatrics, 1900-1906; Pathologist, Bureau of Science, and Prof. Pathol. and Bacteriol. Sec. and Registrar, The Philippine Med. Sch., Manila, 1906-1908.—Prof. Pathol. and Bacteriol. Univ. of Va., Charlottesville.

Roger Griswold Perkins, A. B., Union, 1893, and Harvard, 1894; Resident Pathologist, Lakeside Hosp., Cleveland, 1898-1901; Lect. in Bacteriol., West. Reserve Med. Sch., Cleveland, 1901-1904; Asst. and Assoc. Prof. of Pathol. and Bacteriol., 1904-1910; Prof. of Hygiene and Preventive Med., Cleveland.

Katherine Porter, A. B., Bryn Mawr, 1894; House Physician, and Asst. Surg., N. Y. Infirmary for Women and Children, 1898-1904; Externe, Orange Memorial Hosp. Disp., 1900-1907; Physician Children's Aid and Protective Society of the Oranges; Med. Insp. Orange Public Schs., and Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B., Yale, 1894; A. M., Harvard, 1901; Asst. Pathologist, City Hosp., Boston, 1898-1900; Instr. Pathol., Harvard; Asst. Visiting Pathologist, City Hosp., and Asst. Pathologist, Children's Hosp., Boston, 1900-1902.—Instr. Theory and Practice of Physic, Harvard; Physician, Out-Patients, Mass. Gen'l Hosp., Boston.

Georgiana Sands, A. B., Vassar, 1893; Grad. Student, Barnard, 1893-1894; Resident House Officer, 1898-1899.—Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B., Williams, 1894; Resident House Officer and Asst. Resident and Resident, Gynecologist and Instr., 1898-1903.—Jr. Attend. Gynecol., Harper Hosp., Consult. Obstet. Woman's Hosp., Assoc. Gynecol., Providence Hosp., and Physician, Detroit.

Walter Ralph Steiner, A. B., Yale, 1892, and A. M., 1895; Grad. Student, 1892-1894; Resident House Officer, 1898-1899; Asst. Visitg. Physician, Hartford Hosp., Conn., 1905-1907; Pathologist and Bacteriologist and Visit. Physician, Hartford Hosp., Consult. Physician, Middlesex Hosp. and Hartford Orphan Asylum; Sec. Conn. State Med. Soc., and Physician, Hartford.

Emma Elizabeth Walker, A. B., Smith, 1887.—Asst. Surg., Hosp. for Ruptured and Crippled; Member N. Y. Co. and State Med. Soc. N. Y. Acad. of Med Woman's Med. Assn., Women's Med. Soc. of N. Y. State, Amer. Soc. Sanitary and Moral Prophylaxis, and Physician, New York.

Andrew Henderson Whitridge, S. B., Harvard, 1894; Resident House Officer, 1898-1899.—Physician, Baltimore.

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1899

Edward Erle Brownell, Ph. B., Yale, 1895; Resident House Officer, 1899-1900.—San Francisco.

Humphrey Warren Buckler, A. B., 1895; Resident House Officer and Asst in Obstetrics, 1899-1906; Member State Tuberculosis Comm.; Attend. Physician, Md. Hosp. for Consumptives; Supt., Dr. H. A. Kelly's Private Hosp., and Physician, Baltimore.

Rufus Ivory Cole, S. B., Michigan, 1896; Resident House Officer, Asst. Resident, Resident Physician, and Med. Adviser to Med. Students, 1899-1907; Assist. Physician; Assoc. in Med. in Chg. Biol. Div. of Med. Clinic, 1907-1909.—Med. Director, Rockefeller Hospital, N. Y.

John Staige Davis, Ph. B., Yale, 1895; Resident House Officer, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-1903.—Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Charles Phillips Emerson, A. B., Amherst, 1894; Resident House Officer; Instructor in Med. and Asst. Resident Physician in charge of Clinical Lab., 1899-1905; Res. Physician; Medical Adviser to Students and Associate in Medicine, 1905-1908; Supt. Clifton Spgs. Sanitarium, N. Y., 1908-1911.—Dean and Prof. of Medicine, Indiana University Sch. of Med., Indianapolis.

Blanch Nettleton Epler, S. B., California, 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899-1900.—City Bacteriol. and Exam. for State Sanatorium and Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B., California, 1895; Resident House Officer, Fellow in Pathol.; Asst. Instr., Assoc. and Assoc. Prof. of Physiology, 1899-1906; Prof. of Physiology, Univ. of Wisconsin, Madison, 1906-1910.—Prof. of Physiology, Washington Univ., St. Louis.

Philip Saffery Evans, Jr., A. B., Yale, 1895; Intercollegiate Sec., Y. M. C. A., Balt., 1899-1900; Clinical Asst. in Surgery, 1900-1901; Medical Missionary, Yang-Chow, China, 1901-1911.—Prof. Pathol., East China Union Medical College, Nanking, China.

Richard Holden Follis, Ph. B., Yale, 1895; Externe; Asst. Resident Surgeon, Resident Surgeon and Instr. in Surgery, 1899-1905.—Assoc. in Surgery; Surgeon, Baltimore.

Frank Taylor Fulton, S. B., Knox, 1894; A. B., 1895; Pathol. Interne, City Hosp., Boston, 1899-1900; Pathologist and Director Pathol. Lab., R. I. Hosp., 1900-1909.—Visit. Phys. and Consult. Pathol. R. I. Hosp., Consult. Prov. City Hosp., Pawtucket Mem. and Woonsocket Hosp., and Physician, Providence.

*James Daton Gallagher, A. B., 1895; Physician, Private Wards, Lakeside Hosp., Cleveland, O., 1899-1900.

Henry Harris, A. B., Stanford, 1895; Resident House Officer, 1899-1900. Instr. Princ. and Prac. of Med. and Visiting Physician, Hebrew Orphan Asylum, Cal. Women's Hosp. and Mt. Zion Hosp. and Physician, San Francisco.

Henry Joseph Hoye, A. B., Brown, 1895; Surg. Interne, and House Surg., City Hosp., Boston, 1899-1901.—Asst. Visit. Surg., R. I. Hosp.; Physician, Providence.

Louis Williams Ladd, A. B., Yale, 1895; Acting Asst. Resident Physician, 1899-1900; Resident Physician, Lakeside Hosp., 1900-1901. —Lecturer Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp., Cleveland.

Charles Sumner Little, A. B., Wabash, 1894, and A. M., 1903; Assoc. in Pathol., Central Coll. of P. and S., Indianapolis, 1903-1905; Lect. Pathol., Clin. Med.,

Purdue Univ.; Pathologist, City Hosp. and Physician to Day Nursery, Indianapolis, Ind., 1905-1907. —Petersburg, Ind.

John Arthur Luetscher, S. B., Wisconsin, 1895; Resident House Officer, 1899-1900; House Physician, City Hosp., Boston, 1900-1901; Asst. in Medicine, 1905-1907.—Asst. Physician and Instr. in Medicine, and Physician, Baltimore.

Frank Allemong Lupton, S. B., Ala. Polytech., 1891, and S. M., 1892; Grad. Student, 1893-1894.—Member, Committee of Health, Jefferson Co.; Prof. of Obstetrics, Birmingham Med. Coll., and Obstetrician, Hillman Hospital, Birmingham, Ala.

Frank Worthington Lynch, A. B., Adelbert, 1895; Asst. Resident and Resident Obstetrician; Chief of Obstet. Clinic. and Assoc. in Obstetrics, 1899-1903.—Asst. Prof. of Obstetrics and Gynecology, Rush Med. Coll.; Attend. Obstet. and Gynecol., Presbyterian Hosp.; Visit. Obstet., St. Joseph's Hosp., Editor, Chicago Gyne., Soc., Chicago.

Chester Lea Magee, A. B., Stanford, 1895, and A. M., 1896; Asst. Resident Physician, City Detention Hosp., Balt., 1899-1900; Instr. San Diego Training Sch. for Nurses, 1900-1902; Asst. Surg. Sante Fe R. R., 1903-1904.—Assoc. in Physiol., Coll. P. and S., and Physician, Los Angeles.

Hugh Miller Moore, B. Sc. and M. Sc., Miami, 1895.—Physician, Oxford, O.

*Charles Williams Ottley, A. B., Princeton, 1893, and A. M., 1903; Traveling Secy. Student Volunteer Movement for Foreign Missions, N. Y., 1899-1900; House Physician, Blackwell's Island, Dept. of Charities, N. Y., 1900-1901; Prof. Biology, and College Physician, Robert Coll., Constantinople, 1901-1904; Physician and Surg., Anatolia Coll., Hosp., Marsovan, Turkey, 1904-1905; Student, Vienna and Berlin, 1905-1906.—Physician, Atlanta, Ga., 1906-1907.

Paul Octavius Owsley, Ph. B., Yale, 1895; Asst. Resident Surgeon, St. Joseph's Hosp., Balt., 1899-1901. —Instr. Clin. Gynecology, N. W. Med. School; Attending Surg. Cook Co. Hosp., and Physician, Evanston, Ill.

Jacob Hall Pleasants, A. B., 1895; Resident House Officer, 1899-1900; Asst. in Med., 1901-1906.—Assoc. Prof. Clin. Medicine, Coll. P. and S., Balt.; Pres't. Dpt. Charities and Corrections; Asst. Physician, and Instructor in Medicine; Physician, Baltimore.

Sylvan Rosenheim, A. B., 1895; Asst. and Clinical Asst. in Laryngology, 1903-1907.—Laryngologist, Hebrew, Eudowood, and Jewish Hospitals for Consumptives; Aural Surg., Balt. Eye, Ear and Throat Charity Hosp.; Physician, Baltimore.

John Albertson Sampson, A. B., Williams, 1895; Resident House Officer, 1899-1900; Asst. Resident and Resident Gynecologist, and Asst. in Gynecol., 1900-1904.—Gynecol. Albany Hosp. and So. End. Disp., and Clin. Prof. Gynecol., Albany Med. Sch., and Physician, Albany, N. Y.

Halbert Severin Steensland, S. B., Wisconsin, 1895; Pathol. House Officer, City Hosp., Boston, 1899-1900; Lect. Pathol. and Bact. and Director Path. Lab., Syracuse Univ., and Assoc. Prof. and Director, 1900-1908.—Pathol., St. Joseph's, the Syracuse Hosp. for Women and Children, Hosp. Good Shepherd, and Syracuse Free Disp.; Prof. Pathol. and Bact., and Director, Pathol. Lab., Syracuse Univ., Syracuse, N. Y.

William Ridgely Stone, A. B., Princeton, 1895; Interne, Blackwell's Island, Dept. of Charities, N. Y. City, 1899-1900.—Asst. Visiting Obstetrician, Maternity Hosp., Blackwell's Island, and Physician, New York.

Edgar Randolph Strobel, A. B., 1895; Externe, 1899-1900; Clinical Prof. Dermatology, Balt. Med. Coll.; Instr. and Asst. in Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B., Yale, 1895; A. M., Harvard, 1902; Externe; Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp., 1899-1900; Asst. in Path., Harvard Med. Sch., 1900-1902; Asst. Ophthal, Surg., Carney Hosp., 1902-1906.—Pathologist and Asst. Ophthal. Surg., Mass. Charitable Eye and Ear Infirmary; Instr. Ophthalmic Pathol., Harvard, and Physician, Boston.

William Whitridge Williams, A. B., 1895; Resident Physician, St. Joseph's Hosp., Balt., 1899-1900; Asst. Univ. of Prague, 1900-1901; Asst. Pathol., Harvard, 1901-1903; Graduate Asst., Out-Patient Dept., Mass. Gen'l Hosp., 1903-1905; Asst. in Pharmacol. West. Reserve Univ., Cleveland, 1905-1908.—Director, Webb Tuberculosis Research Lab., Colorado Springs.

Sarah Delia Wyckoff, S. B., Wellesley, 1894; Resident House Officer, 1899-1900. — Attend. Physician, State Disp. for Tuberculosis; Lect. Domestic Science and Hygiene, High School; Med. Exam., Wyoming Seminary, and Physician, Wilkes-Barre, Pa.

John Lawrence Yates, Ph. B., Yale, 1894; S. B., Wisconsin, 1895; Resident House Officer, Asst. Resident Surgeon, and Asst. in Pathol., 1899-1902; Asst. Demonstrator Pathol., Univ. of Pa., 1902-1903; Pathologist, and Chief Surg. Asst., Augustana Hosp., Chicago, 1904-1906.—Surgeon, Milwaukee. (32)

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Joseph Akerman, A. B., Georgia, 1894, and Grad. Student, 1895-1896; Resident Physician and Surgeon, Presbyterian Hosp., Philadelphia, 1900-1902; Supt., Walker Memorial Hosp., Wilmington, N. C., 1902-1906.—Surgeon, Wilmington, N. C.

Herbert Williams Allen, S. B., California, 1896; Resident House Officer, 1900-1901; Resident Physician, Lakeside Hosp., Cleveland, 1901-1902.—Instr. Clin. Pathol., Med. Dept. Univ. Calif., Asst. Visit. Physician, St. Luke's Hosp., and Physician, San Francisco.

Mabel Fletcher Austin (Mrs. E. E. Southard), S. B., Minnesota, 1893; Pathologist and Interne, City and County Hosp., St. Paul, 1900-1902; Pathologist, New England Hosp., Boston, 1903-1906; Assoc. Prof. Hygiene, and Med. Director Wellesley Coll., 1906-1908.—Cambridge, Mass.

Alma Emerson Beale, A. B., Wellesley, 1891; Marine Biological Lab., 1893; Externe, 1900-1901; Resident Physician, Evening Disp. for Working Women and Girls, Balt., 1900-1901; Interne, N. Y. Infirmary for Women and Children, 1901-1902. — Health Officer and Physician, Schaghticoke, N. Y.

*Milton Bettmann, A. B., Harvard, 1897; Resident House Officer, 1900-1901; Student, Univ. of Berlin, 1901-1902.

Evelyn Briggs, A. B., Stanford, 1896.—Sacramento, Cal.

Lawrason Brown, A. B., 1895.—Resident Physician, Adirondack Cottage Sanitarium, Saranac Lake, N. Y.

Herman Brülle, A. B., and S. B., Hampden - Sidney, 1895; Grad. Student, 1895 - 1896; Externe, 1900-1901.—Medical Agent, City Charities and Physician, Baltimore.

Curtis Field Burnam, A. B., Central Univ. Ky., 1895; Grad. Student, 1895-1896; Resident House Officer, Asst. Resident and Resident Gynecologist, 1900-1904. — Assoc. in Gynecology; Surg.-in-Chief, Cambridge Hosp., and Physician, Baltimore.

Arthur Smith Chittenden, A. B., Yale, 1896; House Surgeon, N. Y. Hosp., 1900-1902.—Asst. in Path., Columbia; Visiting Pathologist, Lincoln Hosp., Physician, N. Y.

Henry Asbury Christian, A. B. and A. M., Randolph-Macon, 1895, and Grad. Student, 1895-1896; A. M., Harvard, 1903; Asst. Pathol., City Hosp., Boston, 1900-1902; Instructor, Pathol., Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp., Boston, 1902-1905; Asst. Visiting Physician, L. I. Hosp., 1905.—Hersey Prof., Theory and Practice of Physic, Harvard; Dean, Faculty of Med. and Medical School, Harvard; Physician-in-Chief, Carney Hosp.; Physician-in-Chief (elect), Peter Brent Brigham Hosp., and Physician, Boston.

William Remshart Dancy, S. B., Georgia, 1896; House Physician (1900-1901) and Surgeon, Seney M. E. Hosp., Brooklyn, N. Y., 1901-1902; Grad. Student. Universities Berlin and Vienna, 1902-1903; Res. Supt. Savannah Hosp., 1903-1904. — Instr. Sav'h Hosp. Tr. Sch. for Nurses and Telfair Hosp. Tr. Sch.; Member Attend. Staff, Savannah Hosp., and Physician, Savannah, Ga.

Frank Curtiss Davis, A. B., Amherst, 1905.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.)

Augustus Hartje Eggers, Ph. B., Yale, 1896.—Physician, Pittsburg, Pa.

Henry Courtney Evans, A. B., Adelbert, 1896; Interne, Western Penna. Hosp., Pittsburg, 1901-1902.—Physician, Youngstown, O.

Rose Fairbank (Mrs. Rose Fairbank Beals), A. B., Smith, 1895.—Asst. Resident Physician, Hosp. Union Missionary Society, Jhansi, India, 1901-1905.—Physician Amer. Morathi Mission Hosp., Wai, India.

Clarence B. Farrar, A. B., Harvard, 1896; Grad. Student, Heidelberg, 1902-1904; Research Asst., Carnegie Inst. of Wash., 1904-1906; Instr. in Psychiatry, 1906-1908; Asst. Physician and Director, Laboratory, Sheppard and Pratt Hosp., Towson; Visit'g Physician, City Detention Hosp., Bay View; Asst. Neurol, and Assoc. in Psychiatry.

Arthur Lawrence Fisher, S. B., California, 1896; Resident House Officer, 1900-1901; Fellow, Rockefeller Inst. for Med. Research, 1901-1902; Asst. Visiting Surg., Mt. Zion Hosp., 1902-1908.—Physician, San Francisco.

William Alexander Fisher, Jr., A. B., Princeton, 1896; Resident House Officer, 1900-1901; Res. Physician, Union Protestant Infirmary, Balt., 1901-1902.—Visit. Surg. U. P. I.; Instr. in Surg., and Surgeon, Baltimore.

Howard Fletcher, A. B., Randolph Macon, 1895, and Grad. Student, 1895-1896. — Physician, Fairfax, Virginia.

Joseph Marshall Flint, S. B., Chicago, 1895; A. M., Princeton, 1900, and Yale, 1907; Assoc. Univ. of Chicago, 1900-1901; Prof. Anatomy, Univ. of California, 1901-1907.—Prof. Surg., Yale Univ., New Haven, Conn.

William Patrick Healy, Ph. B., Yale, 1896; Interne, N. Y. City Hosp., 1900-1902; Gynecol. Interne, Roosevelt Hosp., N. Y., 1902-1903; Asst. Gynecol. Vanderbilt Clinic, and Clin. Instr. Gynecology, Coll. P. & S. (N. Y.), 1903-1908.—Attend. Surg. Fordham Hosp.; Asst. Surg., J. Hood Wright Hosp.; Jr. Gynecol., Roosevelt Hosp., Attend. Gynecol. Misericordia Hosp.; Clin. Prof. Surg. Fordham Univ., N. Y.

*William Faithful Hendrickson, A. B., 1896; Asst. Demonstrator Pathol., Univ. of Pennsylvania, 1900-1902.

Albion Walter Hewlett, S. B., California, 1895; House Physician, N. Y. Hosp., 1900-1902; Asst. Prof. Princ. and Pract. of Med. Cooper Med. Coll., San Francisco, 1906-1908.—Prof. Int. Med. and Director of Clin. Lab. Univ. of Mich., Ann Arbor.

William Crissey Kellogg, A. B., Yale, 1896; Resident Physician, Soldiers' Home, Washington, 1900-1901.—Prof. Physiol. Univ. of Georgia; and Physician, Augusta, Georgia.

Preston Keys, A. B., Bowdoin, 1896, and A. M., 1900.—Asst. Prof. Experimental Pathol., Univ. of Chicago.

*Leona Lebus, S. B., Wellesley, 1889. —Los Angeles, Cal. (Died November 20, 1908.

Warren Harmon Lewis, S. B., Michigan, 1894, and Asst., 1894-1896; Asst. Instr., and Assoc. in Anat., 1900-1904.—Associate Prof. of Anatomy.

Harry Wilson Little, S. B., Wabash, 1896, A. M., 1905; House Physician, Maternity, City and Epileptic Hosps., Blackwell's Island, N. Y., 1901-1903.—Pres. & G. M. the G. W. Little Coal Co., Evansville, Indiana.

Ellen Louise Lowell (Mrs. Ellen Lowell Stevens), A. B.; Stanford, 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-1902; Asst. Genl. Med. Clinic, Presbyterian Hosp. Disp., 1902-1903; Asst. Babies' Hosp. Disp., Chief of Children's Clinic, Harlem Hosp. Out-Patient Dept., N. Y., 1903-1904. — Physician, Jacksonville, Fla.

*John Bruce MacCallum, A. B., Toronto, 1896; Asst. in Anatomy, 1900-1902.—Asst. Prof. Physiology, Univ. of California, Berkeley, 1902-1906.

Mary Wilbur Marvell, S. B., Wellesley, 1894; Interne, New England Hosp., Roxbury, 1900-1901.—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B., Barnard, 1896; Grad. Student, 1900-1901; Research Scholar, Rockefeller Inst. for Med. Research; Ophthalmologist, Harlem Hosp. Disp., 1901-1903. — Clin. Asst. and Asst. Surg. N. Y. Eye and Ear Infirmary, 1901-1911.—Ophthalmologist, N. Y. Infirmary for Women and Children, and Physician, N. Y.

Clelia Duel Mosher, A. B., Stanford, 1893, and A. M., 1894; Asst., and Instr., Hygiene, Stanford Univ., 1893-1896; Gynecological Asst., Dr. Kelly's Sanatorium, Baltimore, and Externe, 1900-1901; Spec. Asst. Palo Alto Board of Health for study of Typhoid fever epidemic of April, 1903.—Asst. Prof. and Dir. Women's Gymn. and Assoc. Prof. Personal Hygiene, Stanford Univ., and Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B., Smith, 1896; Interne, New England Hosp., Roxbury, 1900-1901. —Attend. Physician, *ibid.* Physician, Dorchester, Mass.

*Edward Spiller Oliver, A. B., 1895; Physician, Saranac Lake, N. Y., 1900-1902.

Ricard Foster Rand, Ph. B., Yale, 1895, and Grad. Student, 1895-1896; Resident House Officer, 1900-1901; Resident Surgeon, Parker Hosp., Univ. of Missouri, Columbia, 1901-1902.—Asst. Surg'l and Gynecol. Clinics, Yale Univ.; Asst. Obstet. New Haven Hosp., and Physician, New Haven, Conn.

Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith, 1895; Grad. Student, Mass. Inst. of Tech., 1895-1896; Resident House Officer, and Fellow in Pathol., 1900-1902; Resident Physician, Babies' Hosp., N. Y., 1902-1906.—Madison, Wis.

Glanville Yeisley Rusk, A. B., 1896; Resident House Officer, 1900-1901; Asst. Physician, Sheppard and Pratt Hosp., Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-1903; Path. Institute, Ward's Island, N. Y., 1903-1910. —Asst. Prof. Pathol., Univ. of Calif., Berkeley.

Florence Rena Sabin, S. B., Smith, 1893, Sc. D., 1910, and Asst. in Zoology, 1895-1896; Resident House Officer, 1900-1901; Holder Woman's Fellowship in Anatomy, 1901-1902; Asst. Instr., and Assoc. in Anatomy, 1902-1905.—Co-Editor, Anatom. Record and Assoc. Prof. of Anatomy.

William Francis Mattingly Sowers, A. B., Princeton, 1896; Resident House Officer, Asst. Resident, Resident Surgeon; Assistant and Instr., 1900-1907.—Assoc. in Surg. George Washington Univ., Surgeon, Washington, D. C.

Ellen Appleton Stone, A. B., Radcliffe, 1895; A. M., Brown, 1896; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1901-1902; Res. Physician, Children's Hosp., Buffalo, N. Y., 1902-1903. —Med. Inspector Public Schools, Physician Med. Out-Pat. Dept. for Children, R. I. Hosp., and Physician, Providence.

Mortimer Warren, A. B., Bowdoin, 1896; Externe, City Hosp., Boston, 1900-1901.—Instr. Clin. Pathol., Cornell Med. Sch., and Director, Pathol. Lab., Roosevelt Hosp., and Physician, New York.

Paul Gerhardt Woolley, S. B., Chicago, 1896; Resident House Officer, 1900-1901; Fellow in Pathol., McGill Univ., Montreal, 1901-1902; Pathol. Biol. Lab. and Director, Gov't Serum Lab., U. S. A., Manila, 1902-1906; Chief, Siamese Gov't Serum Lab., Phrapatoom, Siam, 1906-1907; Chief Inspr. Health and Med. Adviser, Dept. Interior, Bangkok, 1907-1908; Assoc. Prof. Path. Anat. Univ. of Nebraska, Omaha, 1908-1909.—Director, Laboratories Cincinnati Hosp. and Dean of the Med. Sch. and Prof. Pathol. Univ. of Cincinnati, O. (44)

1901

*Alexander Montague Atherton, A. B., Wesleyan (Conn.), 1897; Resident Physician, Charity Hosp., Blackwell's Island, N. Y., 1901-1902; died at Liberty, N. Y., Aug. 28, '03.

Frederick Henry Baetjer, A. B., 1897; Resident House Officer, 1901-1902.—Assoc. in Surgery in Charge of Actinographic Dept., and Physician, Balt.

William Dwight Baldwin, A. B., Yale, 1897; Clinical Asst. in Medicine, 1901-1902; House Physician, St. Luke's Hosp., N. Y., 1903-1904. —Physician, Honolulu, Hawaii.

John McWilliam Berry, S. B., Cornell, 1897; Resident House Officer, 1901-1902.—Orthoped. Surg. and Radiographer, Albany Hosp., and Physician, Albany, N. Y.

Walter Herbert Blakeslee, A. B., Amherst, 1897, and A. M., 1903; Asst. Resident Physician, N. Y. Lying-in Hospital (6 months); Asst. Med. Examiner, Penna. R. R. Relief Dept., Philadelphia, 1902-1908; Resident, Episcopal Hosp., Philadelphia, 1908-1909. — Physician, Philadelphia.

Horace Dechamps Bloombergh, A. B., Lafayette, 1897; First Lieut. Med. Corps, U. S. A., 1901-1906; Capt. and Major Med. Corps, U. S. A., 1907-1911.— Member U. S. Army Board for Study of Trop. Diseases, Manila, P. I.

Thomas Richmond Boggs, S. B., Univ. of Georgia, 1896, and Grad. Student, 1896-1897; Resident House Officer and Acting Asst. Resident Physician, 1901-1903; Asst. in Med. and Asst. Resident Physician in charge Med. Bact. Lab., Asst. Resident Physician in Charge Clin. Laby., 1904-1908; Assoc. in Medicine, Res. Physician and Med. Adviser to Students, 1908-1911.—Assoc. Prof. Med. and Phys. in Chief, City Hosp., Bay View.

John Robert Bosley, A. B., Western Md., 1896, and A. M. 1903; Grad. Student, 1896-1897.—Capt. Med. Corps, U S. A., Manila, P. I.

Charles Henry Bunting, S. B., Wisconsin, 1896, and Fellow, 1896-1897; Resident House Officer, 1901-1902; Asst. Demonstrator Pathol., Univ. of Pa., 1902-1903; Instr. in Pathol., 1903-1904; Pathologist, Bay View Hosp.; Asst. Resident Pathologist and Associate in Pathology, 1904-1906; Prof. Pathol. and Pathologist Univ. Hosp., Univ. of Va., Charlottesville, 1906-1908.—Prof. Pathol., Univ. Wisconsin, Madison.

Joel Ives Butler, Ph. B., Yale, 1897; Acting Resident House Officer, 1901-1902; Externe Surg. Path. and Asst. in Anatomy, 1902-1903; Clinical Asst. G.-U. Surg., 1903-1904; House Surg., Mass. Genl. Hosp., Boston, 1904-1905.—Instr. in Surg., Yale Med. Sch.; Asst. Surg. New Haven Hosp. and Surgeon, New Haven, Ct.

Harry Wardell Carey, A. B., Yale, 1897; Asst. Pathol., Bender Hygienic Lab., Albany, 1901-1903.—Instructor, Physiol.Chem., 1908, and Physical Diag. Albany Med. School, 1909-1911.—Attend. Physician, Samaritan Hosp., Director, Cluett Path. Lab., Physician in Chg. Lakeview Sanatorium and City Bacteriologist, Troy, N. Y.

Eleanor Sarah Chace (Mrs. Edward Herbert), S. B., Wellesley, 1894, Interne, Worcester Memorial Hosp., 1902. — Physician, Fall River, Mass.

Robert Thornton Comer, A. B., Alabama, 1896; Grad. Student, 1896-1897. — Physician, Birmingham, Ala.

Guy Leartus Connor, A. B., Williams, 1897.—Asst. Neurol. Harper Hosp. and Children's Free Hosp. and Physician, Detroit, Mich.

Ray Connor, A. B., Williams, 1897; House Surgeon, Manhattan Eye and Ear Hosp., N. Y., 1902-1903. —Ophthalmologist and Otologist, Children's Free Hosp.; Clin. Prof. Ophthalmol. and Otology, Detroit Coll. of Med., and Physician, Detroit, Mich.

George Silas Drake, Jr., A. B., Yale, 1897, Resident Physician, Union Protestant Infirmary, Balt., 1902-1905; Assoc. Surg., St. Louis Free Skin and Cancer Hosp., 1905-1909.—Surg.-in-chief, Social Service Hosp., and Surgeon, St. Louis.

Adelaide Dutcher, S. B., Wisconsin, 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B., Minnesota, 1895; Resident House Officer, and Clinical Asst. Genito-Urinary Diseases, 1901-1903.—Assoc. Skin and Venereal Diseases, Eastern Disp. and Casualty Hosp., Prof. G.-U. Diseases, Howard Univ., Physician, Washington, D. C.

Frederick Parker Gay, A. B., Harvard, 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Pathol., Univ. of Penna., 1901-1903; Student, Institute Pasteur, Brussels, 1903-1906; Bacteriol., Danvers Insane Hosp., 1906-1907; Asst. and Instr. in Pathol., Harvard Med. School, 1907-1910.—Prof. of Pathol. Univ. of California, 1910.

Neil Duncan Graham, A. B., 1897; Assoc. Prof. Hygiene and Prevent. Med., Howard Univ., and Physician, Washington, D. C.

Gardner Wells Hall, A. B., Harvard, 1898; Clinical Asst. in Medicine, 1901-1902.—Physician, Boston.

Louis Virgil Hamman, A. B., Rock Hill, 1896; Grad. Student, 1896-1897; House Physician, New York Hosp., 1902-1903.—Attend. Physician, Maryland Hosp. for Consumptives; Physician in Charge, Phipps' Disp. Assoc. in Med., and Physician, Balt.

Rolland Frederick Hastreiter, S. B., Wisconsin, 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-1902; Asst. in Anat. Wis. Coll. of P. & S., 1903-1904.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B., Iowa Coll., 1894, and Harvard, 1896, and A. M., 1897; Resident House Officer, 1901-1902; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-1903; Resident Pathol., Boston Free Hosp. for Women, 1903-1904; Instr. in Anat. Cornell, 1905-1909; Med. Exam. Cornell Univ. Gym., Ithaca, 1906-1909.—Prof. Anatomy, Univ. Louisville, Louisville.

James Morley Hitzrot, A. B., Princeton, 1897; Resident House Officer, 1901-1902; House Surgeon, New York Hosp., 1902-1903.—Instr. in Surg. Cornell Univ.; Assoc. Attend. Surg., N. Y. and Hudson St. Hospitals; Asst. Attend. Surg. Bellevue Hosp., and Physician, New York.

Gerry Rounds Holden, A. B., Yale, 1897; House Surg., Roosevelt Hosp., N. Y., 1902-1903; Resident Gynecologist, and Instr. in Gynecol., 1903-1905.—Gynecologist, St. Luke's Hosp. and Fla. Hosp. for Insane at Chattahoochee and Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B., Yale, 1897; John W. Garrett International Fellow in Pathol. and Bacteriol., Univ. Coll., Liverpool, 1901-1902; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-1903, Act. Asst. Surg., U. S. Public Health and Marine Hosp. Service, and Research Worker, Government Laboratory, Parel, Bombay, India, 1903-1905.—Physician in Charge, Med. Dept., The Yale Coll. in China, The Yale Mission Hosp. and Assoc. Editor, China Med. Jour., Changsha Hunan Prov., China.

William Bernard Johnston, A. B., Harvard, 1897; Asst. Resident Pathologist, 1901-1902.—Europe.

Harry M. Kaufman, A. B., 1897; Resident Physician, Jewish Hosp., Philadelphia, 1901-1902.—Consult. Physician, German Orphan Asylum; Attend. Physician Ruppert Home and Physician, Washington, D. C.

Theodore Lamson, Ph. B., Yale, 1897; Asst. Resident Physician, Barnes Hosp., Washington, 1901-1902.—First Lieut. and Asst. Surg., U. S. A., Manila, P. I.

Dwight Milton Lewis, A. B., Yale, 1897; Medical House Officer, City Hosp., Boston, 1901-1903.—Clin. Instr. Med., Yale Med. Sch.; Pathol., Hosp. of St. Raphael; Bacteriol, Board of Health, and Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B., 1897; Resident Pathologist, Penn. Hosp., Philadelphia, 1901-1903; Director, Ayer Clinical Lab., Penna. Hosp., 1904-1910; Asst. Prof. Applied Med. Univ. of Penna., Philadelphia, 1909-1911.—Asst. Prof. Med., Columbia Univ., N. Y.

William Harvey Maddren, S. B., Brooklyn Polytech. Inst., 1896; Grad. Student, 1896-1897.—Asst. Visiting Surg., King's County and Bradford St. Hosp., L. I., State and Samaritan Hospitals, and Physician, Brooklyn.

Elizabeth Sutton Moore (Mrs. G. L. McKinney), S. B., Wilson Coll., Pa., 1895; Grad. Student, Cornell, 1896-1897; Interne, New England Hosp., Boston, 1901-

1902; Pathologist, Passavant Hosp., 1903-1908, and Physician, Presidio, San Francisco, Cal.

Henry Pickering Parker, A. B., 1896; Demonstrator of Pathol. and Bacteriol., Western Reserve Univ., 1901-1902; Resident Pathologist, Lakeside Hosp., Cleveland, 1902-1903; Interne, Union Protestant Infirmary, Balt., 1903-1904; Clinical Asst. in Med.; Resident Physician, Robt. Garrett Hosp. for Children, 1904-1905; Asst. to the Prof. of Clin. Med., Georgetown Med. Sch.; Asst. in Diseases of Throat and Chest, Emergency Hosp., 1905-1908.—Prof. Medicine, Howard Univ., and Visit. Physician, Freedman's Hosp., and Physician, Washington, D. C.

Maurice J. Rubel, S. B., Chicago, 1897; Resident House Officer, 1901-1902.—Physician, Chicago.

John Cleveland Salter, A. B., Yale, 1897; House Physician, St. Luke's Hosp., N. Y., 1901-1902; Resident Physician, N. Y. Lying-in Hosp., 1903-1904. — Instr. Clin. Micpy., Washington Univ.; Visit. Phys. St. Louis Skin and Cancer Hosp. and City Hosp., and Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B., Cornell, 1897.—Physician, Minneapolis, Minn.

Josiah Morris Slemons, A. B., 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-1902; Asst., Asst. Resident, and Resident Obstetrician, 1902 - 1904, Instr. and Assoc. in Obstetrics, 1904 - 1909. — Assoc. Professor; Physician, Balt.

Herbert Meloy Smith, A. B., Roanoke, 1892, and A. M., 1897; Grad. Student, 1894-1895; Capt. Med. Corps, U. S. A., care of War Dept., Washington, 1901-1910.—Physician, Philadelphia, Pa.

Charles Nelson Spratt, S. B., Minnesota, 1897; Resident House Officer, 1901-1902; House Surgeon, New York Eye and Ear Infirmary, 1902-1903; House Surg. Mass. Charitable Eye and Ear Infirmary, Boston, 1903-1905.—Attend. Ophthalmologist and Otologist, Asbury M. E. Hosp. Clin. Instr. Ophthal. and Otol. Univ. of Minn., and Physician, Minneapolis.

Albert Louis Steinfeld, A. B., 1897; Director, Histol. and Pathol. Laboratories, and Resident Physician, Lucas Co. Hosp., Toledo, O., 1901-1902; Prof. Histol. and Pathol., Toledo Med. Coll., 1903-1904; Lect. in Ear, Nose and Throat, Toledo Med. Coll., 1906-1911.—Physician, Toledo, O.

Carlotta Mary Swett (Mrs. C. H. Bunting), A. B., Wellesley, 1896; Grad. Student, Maine State Coll., 1896; Interne, New England Hosp., Boston, 1901-1902.—Madison, Wis.

Henry Ludwig Ulrich, S. B., Rutgers, 1897; Prof. Pathol. and Histol., Univ. of Dallas, Texas, 1901-1902; Physician, Tuberculosis Wards, City Hosp., 1908-1909.—Visit'g. Physician and Director of Laboratories, City Hosp.; Instr. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Albert James Underhill, A. B., 1897.—Externe in Surgery; Physician, Baltimore.

Marian Bartholow Walker (Mrs. Marian Walker Williams), A. B., Radcliffe, 1898.—Physician, Hartford, Conn.

Louis Marshall Warfield, A. B., 1897; Resident House Officer and Asst. Res. Physician, Thomas Wilson Sanitarium, 1901-1902; Instr. Clin. Microscopy, Washington Univ. Med. Sch., St. Louis, 1905-1909.—Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Wisconsin.

George William Warren, A. B., 1897.—Physician, New York.

Stephen Hurt Watts, A. M., Randolph-Macon, 1896; Student, Univ. of Virginia, 1896-1897; Resident House Officer, Asst. Resident and Resident Surgeon, 1901-1907.—Prof. of Surg., Univ. of Virginia, and Surg.-in-chief Va. Hosp., Charlottesville.

Ernest Alden Wells, A. B., Yale, 1897; House Surgeon, N. Y. Hosp., 1901-1902. — Asst. Visit. Surg. to Hartford Hosp. and Surgeon, Hartford, Conn.

*Mabel Wells, A. B., Wellesley, 1896; Student, Univ. of Zurich, 1897.—Med. Exam. Roland Park and Arundel Schools, Baltimore, 1905-1906.

John Montgomery West, A. B., 1896; Student, Universities of Berlin, Vienna and Halle, 1902-1906; Asst. in Laryngol. and Rhin., 1907-1910.—Physician, Baltimore.

Charles Knickerbacker Winne, Jr., A. B., 1897; Externe, 1901-1902; Acting Resident House Officer; Asst., Res. Physician, Thos. Wilson Sanitarium, 1902-1903; Asst. Bender Hygienic Lab., Albany, N. Y., 1903-1905.—Instr. Theory and Prac. of Med., Albany Med. Coll.; Asst. Attend. Physician, Albany Hosp. and Contagious Dept., Albany Hosp., Child's Hosp., So. End Disp. and Home for the Friendless; Physician, Albany.

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1902

John Auer, S. B., Michigan, 1898; Resident House Officer, 1902-1903; Instr. Physiol., Harvard Med. Sch., 1906-1907; Asst. and Assoc., Rockefeller Inst., 1907 - 1909.—

Assoc. Member, Rockefeller Institute for Medical Research, N. Y.

John Bradford Briggs, Jr., S. B., New York Univ., 1898; Resident House Officer, and Asst. in Medicine, 1902-1904.—Asst. in Pathol. and Bact., George Washington Univ., and Physician, Washington, D. C.

Bennett Bernard Browne, Jr., A. B., 1898; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hosp., 1903-1906. — Clinical Asst. Ophthalmology and Otology, Consult. Physician, Emergency Hosp., Annapolis, and Physician, Baltimore and Annapolis.

Robert Martin Bruns, A. B., Virginia, 1896; Grad. Student, 1897-1898; Asst. Resident Physician, Springfield State Hospital, Sykesville, Md., 1902-1903.—Physician, Balt.

William Morgan Case Bryan, A. B., Washington Univ., 1897; M. S., Michigan, 1898; Resident Physician, German Hosp., Philadelphia, 1902-1904; Instr. Clin. Microscopy and Chem., Med. Dept., St. Louis Univ., 1904-1905. — Instr. Ear, Nose and Throat Diseases, *ibid.;* Oto-Laryngol. to Alexian Bros. Hosp. and Physician, St. Louis.

*Camillus Bush, S. B., California, 1898; Resident House Officer, and Asst. Res. Surgeon, 1902-1904.—Visit. Surg., St. Helena Sanitarium; Instr. in Surg., Univ. of Calif., and Surgeon, San Francisco. (Died May 28, 1910.)

John Woolman Churchman, A. B., Princeton, 1898, A. M., 1901; Resident House Officer, and Clinical Asst. G.-U. Surgery, 1902-1905; Voluntär Asst. Surg. Clinic, Breslau, 1905-1906; Asst. Res. Surgeon, 1906-1909; Resident Surgeon and Instr. in Surgery, 1909-1911.—Surgeon, Balt.

Thomas Wood Clarke, A. B., Harvard, 1899; Resident House Officer, 1902-1903; Resident Physician, Lakeside Hosp., Cleveland, 1903-1905; Vol. Asst, Charite Krankenhaus, Berlin, 1905-1906; Act. Clin. Asst., Children's Hosp., and Research Student, St. Bartholomew's Hosp., London, 1906-1907; Fellow Rockefeller Inst., N. Y., 1907-1908; Clin. Asst., Vanderbilt Clinic, 1907-1910; Asst. in Pediatrics, Columbia, 1909-1910; Asst. Editor *Medical Record,* 1909-1910.—Attend. Pediatrist, Faxton Hosp., and Physician, Utica, N. Y.

Henry Wireman Cook, A. B., 1898; Resident House Officer, 1902-1903; Late Asst. Resident, Thomas Wilson Sanitarium.—Visiting Physician, Senior Staff Memorial Hosp; Asst. in Med. Univ. of Minnesota, and Physician, Minneapolis.

Jacob Jones Coons, S. B., Ohio Wesleyan, 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp., 1902-1903; Asst. Res. Surg., Kensingeon Hospital, Phila., 1903-1904; Lect. Clin. Med. Starling-Ohio Med. Coll., Pathologist, Mt. Carmel Hosp., and Physician, Columbus, Ohio.

Gustavus Charles Dohme, A. B., 1898.—Prof. Chemistry, Maryland Med. Coll., and Physician, Baltimore.

David Hough Dolley, A. B., Randolph-Macon, 1897, and A. M., 1898; Resident Pathologist, St. Vincent's Charity Hosp., 1902-1903; Asst. Demonstrator Pathol., West. Reserve Univ., and Resident Pathologist, Lakeside Hosp., Cleveland, 1903-1904; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1906-1910. —Prof. Pathol., Univ. Missouri, Columbia.

Ralph Duffy, A. B., 1898; Pathologist, Western Penna. Hosp., Pittsburg, 1902-1908; Res. Surg., Franklin Sq. Hosp., Baltimore, 1908-1909; Surg. Scotland Sanitorium, Lawrinburg, N. C., 1909-1911.—Physician, Balt.

John Dunlop, S. B., Princeton, 1898; Asst. Resident Physician, Thos. Wilson Sanitarium, 1902; Externe in Surgery, 1902-1903; Asst. Res. Physician, U. P. I., Balt., 1903; Orthopedic House Officer, Carney Hosp., Boston, 1904-1905. — Attend. Phys. Home for Incurables; Ortho. Surg., Children's Hosp., and Physician, Washington, D. C.

William Gage Erving, A. B., Yale, 1898; Orthopedic House Surgeon, Carney Hosp., Boston, 1902-1903. —Ortho. Surgeon Providence Hosp. and Freedman's Hosp., Prof. Ortho. Surg., Howard Univ., and Physician, Washington, D. C.

Newell Simmons Ferry, Ph. B., Yale, 1898; Asst. Resident Surgeon Barnes Hosp., Washington, D. C., 1902-1903; Asst. in Medicine, Memphis Hosp. Med. Coll.; Visit'g Pathol. City Hosp., and Physician, Memphis, Tenn., 1903-1908.—Biol. and Research, Dept., Parke, Davis & Co., Detroit, Mich.

Nellis Barnes Foster, S. B., Amherst, 1898; Resident Physician, N. Y. Hosp., 1904-1905.—Assoc. Biol.-Chem. Coll. of P. and S.; Assoc. Physician, N. Y. Hosp.; Chemist, St. Luke's Hosp., and Physician, N. Y.

William Willoughby Francis, A. B., 1898; Asst. in Pathology, 1904-1905.—Clin. Asst. in Med., Royal Victoria Hosp., and Asst. Demnstr. Pathol. McGill Univ., Montreal, Can.

Maurice Albert Frankenthal, A. B., Washington, Univ., 1898.—Assoc. Visit. Physician, Jewish Hosp., Pathologist, Bethesda Homes, Asst. in Surg. Washington Univ. Hosp., and Physician, St. Louis.

W. Harry Glenny, Ph. B., Yale, 1894.—Asst. Attend. Physician and Supervisor of Records, Buffalo Genl. Hosp., Attend. Physician, Tuberculosis Dispen., and Physician, Buffalo, N. Y.

Clarence Foster Hardy, B. L., Wisconsin, 1891; Interne, Mercy Hosp., Pittsburg (four months). —Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B., Union, 1898; Resident Surgeon, Society Lying-in Hosp., N. Y., and Resident House Officer, 1902-1903.—Asst. Phys., Glens Falls Hosp., Glens Falls, N. Y.

Mabel Stevens Haynes (Mrs. Konrad Heissig), A. B., Bryn Mawr, 1898; Asst. Disp. Mass. Gnl. Hosp., 1902-1903; student of Med. Vienna, 1904-1905; Dermatol., Wilkes St. Free Disp. and Trinity Disp., Boston, 1906-1907.—Linz, Austria.

Leonard Keene, Hirshberg, A. B., 1898; Assoc. in Nervous Diseases and Instr. in Bacteriol. and Neuro-Path., Coll. of P. and S., Chief of Nervous Clinic, City Hosp.; Judiac Union Disp., and Physician, Baltimore.

Carl Herman Horst, A. B., Stanford, 1898; Resident House Officer, 1902-1903; State Bacteriologist, Montana, 1904-1905; Resident Physician, insane Asyl., State of Montana, 1905-1906.—City Health Officer and Physician, Butte, Mont.

Solomon Hyman, S. B., California, 1898; House Surgeon, Mount Sinai Hosp., N. Y., 1903-1905; Adjunct. Surg., Mt. Zion Hosp.; 1905-1910.—Instr. in Surgery, Cooper Med. Coll. and Surgeon, San Francisco.

William Frederick Jelke, Ph. B., Yale, 1898; Asst. Resident Surgeon, Lakeside Hosp., Cleveland, 1902-1903; Dem'str in Anat., Cornell, 1904-1905. — Physician, Cincinnati.

Thomas Monroe Jones, A. B., Indiana Univ., 1898; Student, Heidelberg, Germany, 1894-1897; House Officer, St. Mark's Hosp., N. Y., 1902-1903; Interne, King's Co. Hosp., Brooklyn, 1903-1905; Graduate Student, Vienna, Austria, 1909-1910. — Surgeon, Anderson, Indiana.

Alfred Karsted, A. B., Stanford, 1898; House Surgeon, German Hosp., N. Y., 1902-1904; Resident Physician, Murray Hosp., Butte, 1907-1911. — Physician, Butte.

Arthur Herbert Kimball, S. B., Amherst, 1897, and A. M., 1903; Resident Physician Eye, Ear and Throat Charity Hosp., Baltimore, 1902-1903.—Visiting Oculist Government Hosp. for the Insane; Asst. in Ophthalmology, Episcopal Eye and Ear Hosp. and Physician, Washington, D. C.

Louis Charles Lehr, A. B., 1898; Clinical Asst. G.-U. Surg. and Asst. in Gynecol. Dr. Kelly's Sanatorium, 1902-1904. — Physician, Washington, D. C.

Edward McCrady L'Engle, A. B., St. John's, 1897; Grad. Student, 1897-1898; Asst. Resident Physician, Phila. Polyclinic Hosp., 1902-1903.—Pathol. Polyclinic Hosp.; Dem'st'r Pathol. Medico-Chir. Coll.; Asst. Pathol. Phila. Hosp., and Physician, Philadelphia.

George Victor Litchfield, Jr., A. M., Randolph-Macon, 1897; Physician-Surgeon Lick Creek and Lake Erie R. R. and Dawson Coal and Coke Co., St. Paul, Va., 1902-1903; Surgeon, N. & W. R. R.; Tidewater, Bottom Creek, King Coal Co. and Big Four C. & C. Co. and Laurel Creek Lumber Co., Kimball, W. Va., 1908.—Physician, Abingdon, Va.

Emma Lootz (Mrs. W. G. Erving), A. B., Smith, 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B., Rutgers, 1897; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1902-1903; First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford, 1903-1906. —Asst. Neurol., Phila. Polyclinic and Hosp.; Instr. in Neurol. and Neuropathol., Univ. of Penna., Asst. Neurologist, Phila. Hosp., and Physician, Philadelphia.

Annie Galloway Lyle, A. B., Stanford, 1895; Asst. Voluntär, Vienna, 1902-1903; Asst. Children's Clinic Univ. of Calif., 1904-1905; Physician, Juvenile Court, 1905-1911.—Physician, San Francisco.

George Malcolm MacGregor, S. B., Wisconsin, 1894; Resident House Officer, Church Home and Infirmary, Balt., 1905-1907.—Physician, Garfield, Wash.

Samuel Andrew Marshall, A. B., Yale, 1898; Surgeon, House of Relief N. Y. Hosp., 1902-1903.—Physician. L. I. City, N. Y.

John Scott McFarland, Ph. B., Yale, 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B., Penna. Coll., 1898; Harvard Summer School, 1898; Resident House Officer, 1902-1903; Interne, Barnes Hosp., U. S. Soldiers' Home, Washington, D. C., 1903-1904; Resident Physician, Lakeside Hosp., Cleveland, 1904-1905; Graduate Student, Europe, 1909-1910.—Surg, Staff, York Hosp., and Surgeon, York, Pa.

John Elmer Meisenhelder, S. B., Penna. Coll., 1897; Grad. Student, 1897-1898; House Surgeon, Moses Taylor Hosp., Scranton, Pa., 1903-1904; Resident Surgeon, Hosp., U. S. Soldiers' Home, Washington, D. C., 1904-1910. — Physician, Hanover, Pa.

*Henry William Oschner, S. B., Wisconsin, 1898. — Resident House Officer, 1902-1903.

Edward Hiram Reede, A. B., Cornell, 1898; Asst. Resident Physician St. Luke's Hosp., N. Y., 1903.—Visit'g. Phys. Freedman's Hosp.; Clin. Asst. in Med., Howard Univ., and Physician, Washington, D. C.

Edwin Nicholas Riggins, A. B., Williams, 1897; Interne, House of Relief, N. Y. Hosp., 1903-1904.—Adjct. Attend. Physician and Registrar, St. Mary's Hosp.; Physician, Out-Patient Dept. Mem Hosp.; Med. Exam., Union Cent. L. I. Co., and Physician, Orange, N. J

Carey Pegram Rogers, A. B., Wake Forest, 1897; Grad. Student, 1897-1898; Resident House Officer, 1902-1903. — Med. Referee, Mut. Life Ins. Co. of N. Y. for Florida; Chief of Staff, St. Luke's Hosp.; Consult. Surg. Seaboard Air Line and Chief Private Surg. Hosp., Jacksonville, Fla.

Stephen Rushmore, A. B., Amherst, 1897; Externe, 1902-1903; Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp., N. Y., 1904; House Surgeon, St. Mary's Hosp. for Children, N. Y., 1905; Res. Gynecologist, 1905-1906; House Officer, Boston Lying-in Hosp., 1907.—Visitg. Gynecol., Carney Hosp., Boston; Instr. Clin. Gynecol., Tufts Coll. Med. Sch.; Asst. in Obstet., Mt. Sinai Hosp., and Physician, Boston.

George Barr Scholl, A. B., 1898; Externe, 1902-1903.—Prof. Pathol., Bacteriol., and Clin. Microscopy, Maryland Med. Coll.; Pathologist Franklin Sq. Hosp., Health Officer, City Board of Health, and Physician, Baltimore.

Melville Silverberg, A. B., California, 1897; Asst. in Physiol.-Chem., Cooper Med. Coll., San Francisco, 1902; House Officer, City Hosp., Boston, 1903-1904. — Prof. G.-U. Coll. P. & S., and Physician, San Francisco.

John Nathan Simpson, A. B., Nashville, 1893; Student Paris and Berlin, 1905.—Member Amer. Acad. Med., Prof. of Physiology, and Head of the Faculty of Medicine, West Virginia Univ., and Physician, Morgantown.

Harry Merriam Steele, Ph. B., Yale, 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll, N. Y., 1902-1904; Asst. in Pathol., Yale. Med. Sch., 1902-1907.—Instr. in Pediatrics, Yale, and Asst. Attend. Physician, New Haven Hosp., and Physician, New Haven.

Alice Weld Tallant, A. B., Smith, 1897; Grad. Student, Mass. Inst. of Tech., 1897-1898; Interne, New England Hosp., Boston, 1902-1903; Med. Examiner for the Gymnasium, Bates Coll., Lewistown, Me., 1903-1905; Asst. Physician, Disp. of New Eng. Hosp., 1904-1905.—Prof. of Obstetrics, Woman's Med. Coll. of Penna., and Obstet.-in-Chief to Hosp. of Woman's Med. Coll.; Physician, Girls' House of Refuge, and Physician, Phila.

Condit Brewer Van Arsdall, A. B., Kentucky Wesleyan, 1894, and A. M., 1898; A. B., Michigan, 1898. —Physician, Harrodsburg, Ky.

John Van Denburgh, A. B., Stanford, 1894, A. M., 1895, and Ph. D., 1897; Hon. Curator, Dept. of Sciences; Act. Chief Children's Clinic, San Fran. Polyclinic, 1902-1903; Visiting Physician, King's Daughter's Home for Incurables, Asst. Visit. Gynecol., St. Luke's Hosp.; Surg. Telegraph Hill Neighborhood Assn., 1904-1906.—Asst. Surg., San Fran. Polyclinic, and Physician, San Francisco.

Otis Buckminster Wight, A. B., Stanford, 1898; Resident House Officer, 1902-1903.—Lect. in Clin. Surgery, and Adjct. in Gynecol., Univ. of Oregon, and Physician, Portland.

Clara Louise Williams, S. B., California, 1897, and M. S., 1898; Interne, St. Luke's Hosp., San Francisco, 1902-1903.—Physician, Berkeley, Cal.

Dudley Williams, A. B., 1897; Grad. Student, 1897-1898; Grad. Student (Pathol.), Harvard Med. School, 1902-1903.—Asst. Physician and Physician, Balt.

Charles Benjamin Wright, A. B., North Dakota, 1898; Resident House Officer, 1902-1903; Clin. Instr. in Pediatrics, Univ. of Minn.; Chf. Pediatric Clin., Wells Mem. Free Disp.; Visit. Staff, Minneapolis City Hosp., and Physician, Minneapolis. (57)

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Victor Hugo Bassett, A. B., Knox, 1896; Graduate Student, Wisconsin and Michigan, 1897-1898; Instr. in Bacteriol. and Clin. Pathol., Northwestern, Chicago, 1903-1904; Fellow in Pathology, 1904-1905; Prof. Pathol., Wisc. Coll. P. and S., 1905-1906; Assoc. Prof. Pathol., Milwaukee Med. Coll. and Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp.,

Milwaukee, 1906-1908. — Bacteriologist, City of Savannah, Ga.

Lewis Clyde Bixler, A. B., Lafayette, 1899, and A. M., 1902; Resident House Officer, 1903-1904.—Physician, Pittsburg.

Elizabeth Hedges Blauvelt, A. B., Bryn Mawr, 1896; Interne, N. Y., Infirmary for Women and Children, N. Y., 1903-1905; Med. Missionary, Amoy, China, 1905-1909, Roselle, N. J.

Clinton Ethelbert Brush, Jr., S. B., New York Univ., 1899; Resident House Officer and Asst. in Medicine, 1903-1905.—Prof. Prin. of Med. and Clin. Med. Univ. of Nashville and Tenn.; Attend. Physician, Woman's Hosp., and Physician, Nashville.

Joseph Albert Chatard, A. B., Loyola, 1898; Graduate Student, 1898-1899; Asst. Resident Physician, St. Joseph's Hospital, 1903-1904.—Assoc. Phys. St. Agnes' Hosp, Asst. Physician, Instr. in Med., and Physician, Balt.

George Edward Chinn, Jr., S. B., Central Coll. (Mo.), 1899; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1903-1904.—U. S. Pension Exam. Surg.; Clin. Asst. St. Vincent's Hosp.; Civil Service Exam. Physician, and Physician, Norfolk, Va.

Alfred Hull Clark, A. B., Cornell, 1899; House Surgeon, The Hartford Hosp., Conn., 1903-1905.—Physician, Buffalo, N. Y.

William Burgess Cornell, A. B., Chicago, 1899. Externe, 1903-1904; Asst. in Neurol.; Prof. of Neurol., Woman's Med. Coll. (Balto.), 1907-10; Asst. Physician, Sheppard and Pratt Hosp., 1905-1910.—Asst. Phys. Danvers State Hosp., Hathorne, Mass.

Emma Grace Dewey, S. B., Wellesley, 1885, and A. M., 1894; Graduate Student, Chicago, 1898-1899; Interne, The Babies' Hosp., N. Y.; Rockefeller Institute for Med. Research (Summer, 1903).—Pathologist and Radiographer Passavant Mem. Hosp., and Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B., Oberlin, 1897; Graduate Student, 1898.—Physician, Macedonia, O.

*Dana Lee Eddy, A. B., Yale, 1898.—Leavenworth, Kans.

Roades Fayerweather, A. B., Harvard, 1899; Orthopedic House Surg., Carney Hosp., 1903-1904.—Asst. in Orthoped. Surg. and Surgeon, Baltimore.

John Somerville Fischer, A. B., 1898, and Graduate Student, 1898-1899; Asst. Resident Physician, St. Joseph's Hosp., Balt., 1903-04.—Chief Med. Clinic, St. Joseph's Hosp. Disp., Assoc. in Diseases of Children, B. M. C., and Physician, Baltimore.

Frederick Julius Gaenslen, S. B., Wisconsin, 1899; Grad. Student, Harvard, 1901; Interne, German Hosp., N. Y., 1903-1906.—Orthoped. Surg., Milwaukee Children's Free Hosp. and Physician, Milwaukee.

Lewis McFarland Gaines, A. B., and S. B., Hampden-Sidney, 1898; Grad. Student, Univ. of Virginia, 1898-1899; First Asst. Surgeon, R. I. Hosp., Providence, and House Physician, Providence Lying-in Hosp. (3 months), 1903-1904; Prof. of Anatomy and Physiol., Med. Dept., Wake Forest Coll., Supt. Wake Forest Hosp., N. C., 1904-1908.—Prof. Physiol. Atlanta Sch. Med.; Attend. Physician, Disp. for Tuberculosis; Physician, Atlanta, Ga.

John Timothy Geraghty, A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Seminary, 1897; Grad. Student, 1897-1898; Resident House Officer, 1903-1904.—Asst. Surg. and Assoc. in G.-U. Surg., Visit. G.-U. Surg., City Hosp., Bay View, and Surgeon, Baltimore.

Francis Colquohoun Goldsborough, S. B., Princeton, 1889; Interne in Obstetrics; Asst. Res. Gynecologist; Obstet'n in Chg. and Resident Obstetrician, 1903-1907.—Instr. and Asst. Obstetrician, 1907-1910.—Prof. Obstetrics, Univ. of Buffalo, and Physician, Buffalo, N. Y.

Justin Frank Grant, Ph. B., Yale, 1898; Prof. of Anatomy and Pathology, Univ. of W. Va., Morgantown, 1903-1910.—Prof. Anat. Atlanta Coll. P. & S., Atlanta, Ga.

Louis Wardlaw Haskell, Jr., A. B., 1899; Asst. in Surg. Pathol., 1903-1904; House Officer Gen'l Mem. Hosp., N. Y., 1905-1906.—Assoc. Prof. Clin. Surg. Coll. P. and S. (Memphis); Asst. Surg. Lucy Brinkley Hosp.; Physician to Home for Incurables, and Physician, Memphis, Tenn.

Arthur Douglass Hirschfelder, S. B., California, 1897; Student in Paris and Heidelberg, 1898-1899, and Berlin, 1906; Resident House Officer, 1903-1904; Asst. in Medicine, Cooper Med. Coll.; Asst. Physician, City and County Hosp. and Physician, San Francisco, 1904-1905; Voluntary Asst. in Medicine, 1905-1906; Instructor in Medicine, in charge of the Physiol. Lab. of Med. Clinic, 1906-1908.—Associate, *ibid.*

Ross Hopkins, A. B. and S. B., Campbell Univ., 1897; A. B., Kansas State Univ., 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B., Amherst, 1899; Resident House Officer, Asst. Res. and Res. Gynecologist, 1903-1907; Asst. and

Instr. in Gynecol., 1906-1907.—Consult. Gyne. Rufus S. Frost Gnl. Hosp., Chelsea and Mem. Hosp., Pawtucket (R. I.), Surg. to Out-Patients, The Free Hosp. for Women, Brookline, Mass.

Clement Levi Jones, S. B., Washington and Jefferson, 1899, and M. S., 1904; Clin. Asst. Med., Starling Med. Sch., Pathologist, Hawkes Hosp. of Mt. Carmel, Columbus, O., 1903-1906.—Physician, Jamestown, O.

Louise Tayler-Jones, A. B., Wellesley, 1896; M. S., Columbian, 1898. Asst. in Pediatrics, Freedman's Hosp.; Physician, The Foundling Hosp. and Nat. Florence Home, and Physician, Washington, D. C.

Albert Keidel, A. B. (Feb. 22), 1900; Clinical Asst. in Medicine, 1903-1906.—Physician, Baltimore.

Maurice Lazenby, A. B. (Feb. 22), 1900; House Physician, Church Home and Infirmary, 1903-1904.—Prof. Histol. and Assoc. Prof. Surg. Woman's Med. Coll., 1908-1910.—Physician, Balt.

Arthur Solomon Lovenhart, S. B., Kentucky State Univ., 1898, and M. S., 1899; Asst. and Assoc. in Physiol.-Chemistry, and Pharm., 1903-1906; Associate Professor, 1906-1908.—Prof. Pharm. and Toxicol., Univ. Wisconsin, Madison.

Henry D. Long, A. B., Washington and Jefferson, 1894, and A. M., 1897; Cornell Summer School, 1897; Resident House Officer, 1903-1904; Asst. Surg. U. S. Public Health and Marine Hosp. Service, Ellis Island, N. Y., 1905-1907.—Physician, N. Y.

Margaret Long, A. B., Smith, 1895; Grad. Student, Mass. Inst. Tech., 1896-1897; Interne, N. Y. Infirmary for Women and Children, 1903-1904.—Physician, Denver, Colo.

*Edward Janney Sidwell Lupton, S. B., Columbia, 1899; First Asst. Resident and Resident Physician, Columbia Hosp., Washington, D. C., 1903-1904; Physician, Hendersonville, N. C., 1905-1906.

Leo Augustine Lynch, A. B., Yale, 1899; Asst. House Surgeon, Society Lying-in Hosp., N. Y., 1903-1904; Interne, City Hosp., Blackwell's Island, 1904-1905.—Asst. Attend. Surgeon, Swedish Hosp., and Physician, Brooklyn, N. Y.

William Sanders Manning, S. B., Columbian, 1899; Clinical Asst., The Emergency Hosp., Washington, D. C., 1903-1904; Ophthalmolog., St. Luke's Hosp., and S. A. L. R. R., and Physician, Jacksonville, Fla.

Watson Marshall, A. B., Princeton, 1899.—Asst. Laryngol, Allegheny Genl. Hosp., Pittsburg.

Robert Talbott Miller, Jr., A. B., Amherst, 1899; Resident House Officer, and Asst. Res. and Res. Surg., and Instr. in Surg., 1903-1909.—Surgeon, St. Francis' Hosp., Pittsburg, Pa.

Mary Elizabeth Morse, A. B., Woman's Coll. of Balt., 1899; House Officer, N. Eng. Hosp. for Women and Children; Boston, 1903-1904; Resident Physician, Evening Disp. for Working Women, Balt., 1904-1905; Asst. Physician, East. Mich. Asylum for the Insane, Pontiac, 1905-1906.—Pathologist, N. Eng. Hosp., Boston.

Willis Bean Moulton, A. B., Bowdoin, 1899; Resident House Officer, 1903-1904.—Sec. Me. Med. Assn.; Fellow, Amer. Acad. Med.; Instr. in Gynecol. Med. Sch. of Maine, Adj. Surg., Maine Gen'l Hosp., Asst. Surg., St. Barnabas Hosp., and Physician, Portland, Me.

Harry Benjamin Neagle, A. B., Bowdoin, 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B., Cincinnati, 1899, and A. M., 1900; LL. B., N. Y. Law Sch., 1908; House Surgeon, Presby. Hospital, N. Y., 1904-1905.—Head of Dept. of Gynecol., Presbyterian Hosp. Disp.; Attend. Dermatol., Vanderbilt Clinic, and Physician, N. Y.

Theodore Foster Riggs, A. B., Beloit, 1898; Resident House Officer, 1903-1904; Asst. Resident and Resident Surg., Union Prot. Infirmary, Baltimore, 1904-1907; Grad. Student, Berlin, 1907-1908; Private Asst. to Dr. Elting, Albany, N. Y., 1908.—Attend. Staff St. Mary's Hosp., and Surgeon, Pierre, S. D.

Benjamin Franklin Riley, Jr., S. B., Georgia, 1898.—County Physician, Surg. Georgia R. R., and Physician, Thomson, Ga.

George Canby Robinson, A. B., 1899; Asst. Demonstrator of Anatomy, Cornell, Ithaca, N. Y., 1903-1904; Resident Pathologist, and Resident Physician, Penna. Hosp., 1904-1908; Director Path. Lab. Presbyterian Hosp. and Physician, Philadelphia, 1909-1910.—Res. Phys. Rockefeller Hosp., New York.

Marvin Pierce Rucker, A. M., Randolph-Macon, 1899; Virginia Med. Coll., 1899-1900.—Demonstrator in Pathol. and Lect. and Demonstrator in Embryol., Medical Coll. of Va., Jr. Attendant in Internal Med., Memorial Hosp.; Surg. A. C. L. Ry.; Secy. Chesterfield Co. Board of Health, and Physician, Manchester, Va.

Ferdinand Schmitter, A. B., Union Coll., 1899; Instr. in Anatomy, Univ. of Wisconsin, Madison, 1903-1905; First Lieut. Med.

Corps, U. S. A., Fort Egbert, Alaska, 1905-1908.—Capt. Med. Corps, U. S. A., Fort Slocum, New Rochelle, N. Y.

Oscar Theodore Schultz, A. B., Indiana, 1897; Res. Pathologist, Charity Hosp., Cleveland; Brooklyn Inst. Biol. Lab. and Columbia Univ., N. Y., 1903-1904; Demstr. and Instr. of Pathol. and Protozoology, Western Reserve Univ., Cleveland, 1904-1908.—Asst. Prof. Pathol. *ibid.*

Winford Henry Smith, A. B., Bowdoin, 1899; Resident Gynecologist, The Lakeside Hospital, Cleveland, 1903-1905; Hosp. Physician, N. Y. Dept. of Health, 1905-1906; Supt. the Hartford Hosp., Conn., 1906-1909; Genl. Med. Supt. Dept. Bellevue and Allied Hospitals, New York, 1909-1911.—Supt. J. H. Hospital.

Alexander Raymond Stevens, A. B., 1896; Resident House Officer, 1903-1904; Director, Analytical Lab. of Fraser & Co., N. Y., 1904-1905; House Surg.. Presbyterian Hosp., N. Y., 1907-1908.—Adjunct Attndg. G.-U. Surg., Bellevue Hosp., and Physician, N. Y.

Catherine Hutchison Travis, A. B., McGill, 1895; Grad. Student, Harvard Summer Sch., 1899; House Officer, N. Eng. Hosp. for Women and Children, Boston, 1903-1904; Pathol. New Britain Hosp., and Physician, New Britain, Conn.

*Frank Hosford Watson, S. B., Wisconsin, 1899; Resident House Officer, 1903-1904.—Chief Med. Clinic, Instr. and Lecturer in Clin. Med., Tulane Med. Sch.; Visit. Physician, Charity Hosp., and Physician, New Orleans. (Died *December* 15, 1909, *Milwaukee*).

Charles Whittier Young, S. B., Univ. of Illinois, 1897; Resident House Officer, 1903-1904.—Prof. Bacteriol. and Pathol., Union Med. Coll., and Med. Missionary, Peking, China. (49)

1904

Jay Harvey Bacon, S. B., Knox, 1900; Pathologist, Lakeside Hospital, Cleveland, 1904-1905.—Mbr. Staff, The Proctor Hosp.; Phys. The Crittenden Home; Ch'm'n. Educational Comm. Soc. Prev. of Tuberculosis; Surg., Peoria City R. R., and Ill. Tract. System and Keystone Wire Fence Wks.; Visit. Phys. The Bacon Mission Disp., and Surg., Peoria, Ill.

Theodore Baker, A. B., Princeton, 1900.—Physician, Pittsburg.

Robert Bennett Bean, S. B., Va. Polytech. Inst., 1900; Assistant in Anatomy, 1904-1905; Instr. in Anat., Univ. of Mich., Ann Arbor, 1905-1906; Assoc. Prof. Anat. The Philippine Med. School, Manila, 1907-1910. — Assoc. Prof. Anat. Tulane Univ., New Orleans.

Ruth Bennett (Mrs. L. S. Morgan), A. B., Illinois, 1899, and Graduate Student, 1899; Asst. Physician and Surg., Tsing Kiang pu Hosp., Tsing Kiang pu, Kiang Pu Prov., China, 1905-1909.—Med. Missionary, Hai Chow via Chinkiang, China.

John McFarland Bergland, S. B., Princeton, 1900; Interne in Obstetrics and Asst. Res. Obstetrician, 1904-1906.—Asst. in Obstet., and Physician, Balt.

Maurice Buford Bonta, A. B., Ky. Wesleyan, 1894; S. B., Michigan, 1897; Resident House Officer, 1904-1905; Resident Gynecologist, Lakeside Hosp., Cleveland, 1905-1906.—Asst. in Gynecol., Lakeside Hosp. Disp.; Med. Insp'r Public Schs. and Physician, Cleveland, Ohio.

Walter Vernon Brem, Jr., S. B., N. Carolina, 1896; Med. Dept., 1898-1900; Resident House Officer, 1904-1905.—Chief Med. Clin, Colon Hosp., Cristobal, C. Z.

Julius Alexander Caldwell, Jr., S. B., N. Carolina, 1899; Med. Dept., 1899-1900, and Summer Sch., 1900; Resident House Officer, and Asst. Res. Gynecol., 1904-1906.—Physician, Salisbury, N. C.

John Robert Carr, A. B., N. Carolina, 1899, Med. Dept., 1899-1900, and Summer Sch., 1900; Resident House Officer and Asst. Res. Surg., 1904-1906.—Detroit, Mich.

DeWitt Bellinger Casler, A. B., Yale, 1900; Resident House Officer, Asst. in Gynecol. and Asst. Res. Gynecol., 1904-1908; Instr. in Gynecol. and Res. Gynecologist, 1908-1909.—Physician, Baltimore.

Ralph Torrey Edwards, A. B., Knox, 1897, and A. M., 1899; Bacteriologist, Bureau of Science, Manila, P. I., 1905-1908; Director, Gov't Serum Lab., Phrapatoom, Siam, 1908 - 1910. — Physician, Ceylon, Minn.

Anfin Egdahl, S. B., Wisconsin, 1900; Asst. Prof. of Pathol. and Bacteriol., Coll. of Med., State Univ. of Iowa, Iowa City, 1904-1908.—Physician, Menomonie, Wis.

Harold Gould Garwood, S. B., Colorado, 1900, and Med. Dept., 1900-1901; Resident House Officer, Minnequa Hosp., Pueblo, Colo., 1904-1905; Surg., Colo. Fuel and Iron Co., Redstone, Colo., 1905-1906; Sec. Boulder Co. Med. Soc., Res. Surg. Nat. Fuel. Co., Northern Coal and Coke Co., and Fox-Patterson Mining Co., Gorham, Colo., 1906-1909.—Physician, Denver, Colo.

Herbert Ziegler Giffin, S. B., Princeton, 1900; Resident House Officer, 1904-1905; House Officer, Child's

Hosp., Philadelphia, 1905-1906.—Physician St. Mary's Hosp., Rochester, Minn.

Harry Seliger Greenbaum, A. B., 1899; Student, Univ. of Berlin, 1899-1900.—Instr. in Medicine and Asst. Physician and Physician, Balt.

Josephine Hemenway (Mrs. J. H. Kenyon) A. B., Pritchett Coll., 1898; Bryn Mawr, 1899-1900; Resident House Officer, 1904-1905.—Res. Physician, Babies' Hosp., New York.

*William Raphael Miles Kellogg, A. B., Adelbert, 1898; Resident Physician, Seattle Gen. Hosp., 1904-1905.—Assoc. Editor, *Northwest Medicine;* Secy. Wash. Assoc. Prevention and Relief of Tuberculosis, City Bacteriol., Secy. Pulmonary Hosp., and Physician, Seattle, Wash. (Died October 14, 1908.)

Kenelm Julius Lee, S. B., Wisconsin, 1900. — Physician, Fergus Falls, Minn.

John Marion Love, A. B. and B. L., Hampden-Sidney, 1899; Grad. Student, 1899-1900; Clin. Asst. Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp., 1904-1906.—Clin. Asst. St. Vincent's Hosp. and Physician, Norfolk, Va.

Wilfred Hamilton Manwaring, S. B., Michigan, 1895, Univ. of Chicago, Summer Qrs., 1899-1903; Fellow and Asst. in Pathol., Chicago, 1904-1905; Assoc. Prof. of Pathol. and Bact., Indiana, 1905-1907; Traveling Fellow, Rockefeller Institute for Med. Research, 1907-1908; Asst. in Pathol, 1910.

Herman Weston Marshall, S. B., Mass. Institute Tech., 1897; Resident House Officer, 1904-1905.—Phys., Boston, Mass.

William Carpenter McCarty, S. B., Kentucky State, 1900, and M. S., 1909; Pathol., Augusta Hosp., Berlin, 1904-1906.—Surg. Pathol., Mayo Clinic, Rochester, Minn.

Ernest Clare McGouldrick, A. B., Yale, 1900. — Physician, Brewer, Me.

Lorenzo Seymour Morgan, S. B., Knox, 1900; Asst. Physician and Surg., Tsingkiang pu Hosp., Tsingkiang pu, Kiang Pu Prov., China, 1905-1909.—Med. Missionary, Hai Chow via Chinkiang, China.

James Francis Morrison, A. B., Harvard, 1900; Interne, Conn. State Hosp. for Insane, Middletown, 1904; Interne, Kings Co. Hosp., 1904-1906; Asst. Physician Conn. Hosp. for Insane, Middletown, 1906-1908. — Neurol. Kings. Co. Hosp. and Polhamus Mem. Clinic; Visit. Phys. Brooklyn Home for Consumptives and Physician, Brooklyn, N. Y.

Norman Oscar Nelson, S. B., Wisconsin, 1900; Resident Physician, Monroe St. Hosp., Chicago, 1904-1905.—Physician, Madison, Wis.

James Henry Randolph, A. B., Fla. State Coll., 1900; Clinical Asst., The Sheppard and Enoch Pratt Hosp., Towson, 1904-1905.—Asst. and Chief Physician, Fla. Hosp. for Insane, Chattahoochee, 1905-1910. — Physician, Jacksonville Fla.

Jewett Villeroy Reed, S. B., Kentucky State Coll., 1900; Resident House Officer, 1904-1905.—Asst. Prof. Surg., Indiana Univ. Sch. of Med. and Supt. Bobb's and City Disp. and Asst. Consult. Surg. City Hosp., Indianapolis.

Charles Mallory Remsen, A. B., 1899, and Grad. Student, 1899-1900; Resident House Officer, Asst. Res. Physician and Asst. Surg. Pathologist, 1904-1910. — Res. Surgeon and Instr. in Surg.

William Gray Ricker, A. B., Yale, 1900; House Surgeon, Montreal Gen. Hosp., Can., 1904-1905.—Vist'g Physician, The Littleton Hosp., and Physician, Wells River, Vt.

Esther Rosencrantz, A. B., Leland Stanford, Jr., 1899; Barnard Coll., 1899-1900; Interne, N. Y. Infirmary for Women and Children, 1905-1906.—Clin. Asst., Out-Pat. Dpt. Brompton Hosp. for Consumption, etc., London, Eng., 1906-1907; Asst. Attend. Physician, Tuberculosis Clinic, N. Y. Board of Health, 1907; Clin. Asst. P. G. Med. Sch. and Hosp., and Physician, N. Y., 1907-1909. (Europe.)

Ernest Sachs, A. B., Harvard, 1900; Interne, The Mount Sinai Hosp., N. Y., 1904-1905; Grad. Stud. Berlin, 1907; Clin. Clk. Nat. Hosp London and Sir Victor Horsley's Lab. Univ. Coll., 1908; Neurol. Surg. Montefiore Home, and Beth. Israel Hosp.; Adj. Asst. Surg. Bellevue Hosp. and Chief Surg. Clinic. Out-Patient Dept., and Physician, N. Y., 1908-1910.—Assoc. in Surg. Washington Univ. Med. Sch., St. Louis, Mo.

Orville Hickok Schell, A. B., Yale, 1900; House Surg., The Mount Sinai Hosp., New York, 1904-1907; Med. Missionary Changsha, Hunan Prov., China, 1907-1908.—Phys., New Rochelle, N. Y.

Harry Russell Stone, Ph. B., Conn., Wesleyan, 1899; Interne, Hudson St. Hosp., N. Y., 1904-1905; House Physician and Surg., Private Patients' Bldg., N. Y. Hosp., 1905-1907.—Deputy Attend. Phys. Hudson St. Hosp. and Physician, New York.

Henry John Storrs, A. B., Amherst, 1899; Interne, Asst. Res. Obstetrician, Res. Obstetrician and Assist., 1904-1909.—Instr. Obstetrics

and Gynecol., Washington Univ., St. Louis.

George Lane Taneyhill, Jr., A. B., 1900; Externe, 1904-1905; Asst. Physician and Asst. in Med., 1905-1909.—Instr. in Neurol. and Physician, Balt.

Benjamin Taylor Terry, A. B., Vanderbilt, 1898, and A. M., 1900; Univ. Chicago, Summer Qrs., 1900, 1902, and 1904; Univ. of Freiburg, i. B., Summer 1901; Harvard Med. School, Summer 1903; Fellow in Pathol., Chicago, 1904-1905; Grad. Student, Univ. Mich., Summers 1905, 1908 and 1911; Grad. Student, Columbia Univ., 1905-1906; Univ. of Munich and Pasteur Institute, Paris, 1906-1907; George Speyer Haus, Frankfurt, a. M., 1910; Fellow and Asst. Rockefeller Inst., 1906-1910.—Assoc. in Protozoology, Rockefeller Institute for Med. Resch., N. Y.

William Lawton Thompson, A. B., Bowdoin, 1899; House Surgeon, City Hosp., Worcester, Mass., 1904-1905; Surg. Soc. Lying-in Hosp., N. Y., 1905-1906.—Dist. Physician, Boston Disp. and Asst. in Path. and Bact. and Instr. in Obstet., Tufts Coll. Med. Sch., Visit. Obstet., Mt. Sinai Hosp., Med. Exam., Boston Mut. Life Ins. Co., and Physician, Boston.

George Thomas Tyler, Jr., A. B., Randolph-Macon, 1896, and A. M., 1897; Summer Sch., Columbian Univ., 1899; Interne, Union Prot. Infirmary, Balt., 1904-1906; Contract Surg., U. S. A., Fort Porter, N. Y., 1909-1910.—Buffalo, N. Y.

William Jerome Vogeler, A. B., Yale, 1900; Resident Physician, St. John's Riverside Hosp., Yonkers, N. Y., 1904-1906; Interne, Nursery and Child's Hosp., N. Y., 1906-1907.—Asst. Attend. Phys., St. John's Riverside Hosp. and Sprain Ridge Hosp. for Tuberculosis, and Physician, Yonkers, New York.

Robert Glendenning Washburn, S. B., Wisconsin, 1900; Wisc. Coll. P. and S., 1900-1901. — Dermatol. Milwaukee Co. and Maternity Hosp.; Assoc. Prof. Dermatol., Marquette Univ., and Physician, Milwaukee.

Louis Schneider Weaver, A. B., Pa. Coll., 1899, and Yale, 1900; House Surg., R. I. Hosp., Providence, 1904-1906. — Staff, York Hosp., and Penna. State Tuberculosis Disp., and Physician, York, Pennsylvania.

John Scott Willock, S. B., Princeton, 1900; Resident Physician, Allegheny Gen. Hosp., Pa., 1904-1905; Physician, Hampson & Smith, Railroad Contractors, Mexico, 1907.—Waverly Oil Wks. Co., Pittsburgh, Pa.

Walter Scott Wilson, A. B., N. Ga. Agricult. Coll., 1880; A. M., Univ. of Ga., 1884; Grad. Student, 1893-1894, and Univ. of Chicago, 1896-1897.—Physician, Savannah, Georgia.

Winfred Wilson, A. B., Weatherford Coll., 1900.—Physician and Surg., Wilson Sanitarium, Memphis, Tex. (45)

1905

Ronald Taylor Abercrombie, A. B., 1901; Resident Physician, Church Home and Infirmary, 1905-1906.—Coroner at large, Director of the Gymnasium, and Physician, Baltimore.

Clarence Allen Baer, B. L., Wisconsin, 1900, and S. B., 1901; Michigan, Summer of 1901; Graduate Student, Univ. of Paris, 1905-1906; Asst. St. Louis Hospital, Paris, 1906-1907; Externe in Dermatol., 1907.—Physician, Milwaukee, Wis.

Leon Kahn Baldauf, A. B., 1901; Asst. Bender Hygienic Laboratory, and Instr. Bact. and Pathol., Albany Med. Coll., Albany, N. Y., 1905-1907.—Asst. City Pathol., St. Louis.

Alice May Ballou (Mrs. G. W. Eliot), Ph. B., Brown, 1900, and A. M., 1901; Interne, New England Hospital, Roxbury, 1905-1906.—Physician, Weston, Mass.

Khleber Heberden Beall, S. B. and M. S., Texas, 1899; Resident House Officer and Asst. Res. Physician, 1905-1907.—Assoc. Prof. Med. Ft. Worth Univ., and Physician, Fort Worth, Tex.

Bertram Moses Bernheim, A. B., 1901.—Asst. in Surgery, and Surgeon, Balt.

Kosciusko Walker Constantine, A. B., 1901; Graduate Student, Vienna and London, 1905-1907.—Ophthal. Surg., Birmingham, Ala.

Calvin Duvall Cowles, Jr., A. B., Guilford Coll., 1900, and North Carolina, 1901; Interne in Obstetrics, 1905-1906.—Capt. Med. Corps, U. S. A., West Point, N. Y.

William Dick Cutter, A. B., Yale, 1899; Student, Univ. of Bern., 1900; Interne, French Hospital, N. Y., 1905-1906; Asst. Physician, Hosp. Dep. Copper Queen Con. Mining Co., Bisbee, Ariz., 1906-1909.—Physician, Brooklyn, N. Y.

Murray Snell Danforth, A. B., Bowdoin, 1901; Interne, R. I. Hospital, Providence, 1906-1908.—Asst. Surg., Dept. Ortho. Surg. and Asst. Pathol. Radiographic Work, R. I. Hosp., and Physician, Providence.

Otho Lee Dascombe, A. B., Bowdoin, 1901; Resident Physician and

Surg. Externe, Waltham Hospital, Mass., 1905-1908. — Asst. Phys, *ibid.;* Visitg. Phys. Waltham Baby Hosp, and Physician, Waltham, Mass.

Howard Irving Davenport, A. B., Hamilton, 1901, and A. M., 1904; Instructor, Bacteriology and Pathology, Syracuse Univ. Med. Sch., Syracuse, N. Y., 1905-1906; County Bacteriol., Ont. Co. Lab., Canandaigua, N. Y., 1906-1909.—Physician and City Bacteriol, Auburn, N. Y.

Homer J. Davidson, S. B., Wabash 1899, and A. M., 1910; Resident Physician, Seattle General Hospital, Wash., 1905-1906. — Asst. Med. Health Officer, and Physician, Seattle.

Solon Arthur Dodds, Ph. B., Wesleyan (Conn.), 1901; Interne in Obstetrics, and Asst. Res. Gynecologist, 1905-1907; Physician, Salisbury, N. C., 1907-1910.—Asst. in Obstetrics, and Physician, Baltimore.

Charles Edward Dowman, Jr., A. B., Emory, 1901; Student, Vanderbilt, 1901; Path. Inst. Charlottenburg Krankenhaus, Berlin, 1905-1906; Vol. Asst. Univ. Chirurg. Klin., Breslau, 1906-1907; Clin. Clk., Nat. Hosp. for Paralytics and Epileptics, London, 1907.—Surg. Hillman Hosp., Assoc. Pathol. and Bact., Birmingham Med. Coll.; Surg. A. B. & A. R. R. and Sec. & Treas. Jeff. Co. Med. Soc., and Surg. Birmingham, Ala.

John Augustine English Eyster, S. B., Maryland Agricultural, 1889; Graduate Student, 1899-1901; Fellow, Assistant, Instr. and Assoc. in Physiol, 1905-1908; Prof. of Pharmacol., Univ. of Virginia, Charlottesville, 1908-1910.—Prof. Physiol., Univ. Wis., Madison.

Clifton Maupin Faris, A. B., Leland Stanford Junior, 1900; Resident House Officer, 1905-1906; Asst., Dr. H. A. Kelly's Sanitarium (Balt.), 1906-1907.—Surgeon, Sacramento, Cal.

Frederick Reynolds Ford, S. B., Colgate, 1901; Resident House Officer, 1905-1906; Pathol. St. Luke's Hosp., Deputy Health Officer and Physician, Utica, N. Y.

Allen Wier Freeman, S. B., Richmond, 1899; Graduate Student, 1900-1901; Interne, Newark City Hospital, N. J., 1905-1906.—Asst. Com. Health, State of Va., Richmond.

Philip Kingsnorth Gilman, A. B., Leland Stanford Junior Univ., 1901; Assistant in Operative Surgery (H. L.), and Asst. Res. Surgeon, 1905-1907.—Assoc. Prof. Pathol., Philippine Med. Sch., Manila, P. I.

Sarah Mabel Grier (Mrs. C. B. Lesher), A. B., Bucknell, 1901, and A. M., 1904; Resident Physician, Syracuse Hospital, N. Y., 1905-1906.—Med. Missionary, Chaochowfu, China.

Edith Hale (Mrs. W. B. Swift), A. B., Radcliffe, 1901; Interne, New England Hospital, Roxbury, 1905-1906; Grad. Student, Berlin, Ger., 1908-1910.—Asst. Attend. Phys. N. Eng. Hosp. and Disp. and Physician, Boston.

Francis Jenks Hall, A. B., Yale, 1899; Interne, Methodist Episcopal Hospital, Philadelphia, 1905-1906. — Med. Missionary, and Instr. in Med., Union Med. Coll., and Woman's Med. Coll., Peking, China.

Julius Theodore Haller, S. B., Chicago, 1901; Grad Student, Vienna, Austria, 1910.—Physician, Davenport, Ia.

Helen Hempsted, A. B., Allegheny Coll., 1900; Cornell, 1900-1901; Interne, N. Y. Infirm., 1905-1906; Asst. Physician, Babies' Hosp., N. Y., 1906-1907.—Physician, Cleveland, O.

Thomas Norval Hepburn, A. B., Randolph-Macon, 1909, and A. M., 1901; Interne, The Hartford Hospital, Conn., 1905-1907.—Physician, Hartford.

Reuben Paul Higgins, A. B., Cornell, 1902, and Medical Dept., 1900-1902. — Ophthalmol., Cortland Hosp., and Physician, Cortland, N. Y.

Donald Russell Hooker, A. B., Yale, 1899, and M. S., 1901; Graduate Student, Berlin, 1905-1906; Asst. Instr. and Assoc. in Physiology, 1906-1910.—Associate Professor.

Henry Spencer Houghton, Ph. B., Ohio State, 1901; Asst., Rockefeller Institute for Med. Research, N. Y., 1905-1906.—Physician and Med. Missionary Gen. Hosp. and Surg. to Imperial Maritime Customs, Wuhu, China.

Henry Marshall Lankford, A. B., Western Maryland, 1901, and A. M., 1905; Supt. and Res. Surg. Evergreen Pl. Hosp. Leavenworth, Kans.,1905-1907.—Physician, Princess Anne.

George Bilton Lawson, A. M., Randolph-Macon, 1899; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-1907.—Physician, Roanoke, Va.

Eugene Joseph Leopold, A. B., 1901, Graduate Student, Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Grad. Student, London, 1905-1907.—Physician, Jewish Hosp. for Consumptives, Asst. Phys. to Hebrew Hosp., Asst. Physician and Asst. in Med., and Physician, Balt.

David Marine, A. B., Western Maryland, 1900; Graduate Student,

1900-1901; Resident Pathologist, The Lakeside Hospital, Cleveland, 1905-1906; Dmnstr. Neuropath., 1906.—Lecturer in Exp. Med., Western Reserve Univ., and Physician, Cleveland.

Henry Augustus Martelle, A. B., Bowdoin. 1901; House Officer, Hartford Hospital, Conn., 1905-1907.—Physician, Hartford, Conn.

Archibald Leete McDonald, A. B., North Dakota, 1901; Asst. Prof. in charge of Anat., Univ. of North Dakota, and Physician, Grand Forks, 1905-1911.—Physician, Duluth, Minn.

Arthur William Meyer, B. S., Wisconsin, 1898; Assistant and Instr. in Anatomy, 1905-1907; Asst. Prof. Anat. Univ. of Minn., Minneapolis, 1907-1908; Prof. Anat., N. W. Univ. Med. Sch., Chicago, 1908-1909.—Prof. Human Anat., Stanford Jr. University, Stanford Univ., Cal.

William Lorenzo Moss, S. B., Univ. of Georgia, 1901; Resident House Officer and Asst. Physician, J. H. Disp., 1905-1907; Grad. Student, Berlin, 1907; Instr. in Med., in Charge Research Lab., Phipps Disp., 1907-1911.—Asst. Res. Physician.

Eugene Bishop Mumford, S. B., Wisconsin, 1901; Res. Physician, Children's Hosp., Boston, 1905-1906; Interne, Governeur Hosp., N. Y., and Ship Surg. Booth Steamship Co., 1906-1908.—Director, Bureau Contag. Diseases, City Board Health; Physician, Children's Aid Assem.; Vistg. Pediatrician, City Hosp.; Asst. Clin. Pediatrics, Ind. Univ. Sch. Med., and Physician, Indianapolis.

James Edgar Paullin, Jr., A. B., Mercer, 1900, and Graduate Student, 1900-1901; Res. Pathologist, R. I. Hospital, Providence, 1905-1906.—Asst. Prof. Pathol., Atlanta Coll. P. and S.; Pathol. Ga. State Bd. Health. Asst. Visitg. Physician, Grady Hosp. and Pathol. Wesley Mem. Hosp.

George Edward Rehberger, A. B., 1901; Jr. Asst., Craig Colony for Epileptics, Sonyea, N. Y.; 1905-1909.—Physician, Everson, Wash.

Lawrence Joseph Rhea, S. B., Texas, 1901.—1st Asst. in Pathol., City Hosp., Boston; Instr. in Pathol., Harvard. (*Degree conferred February* 22, 1906.)

Edward Henderson Richardson, A. B., Hampden-Sidney, 1900; Graduate Student, 1900-1901; Resident House Officer, Asst. Res. and Res. Gynecol., 1905-1910.—Instructor in Gynecol. and Physician, Baltimore.

Charles Ricksher, S. B., Parsons Coll. (Ia.), 1901, M. S., 1905; Clin. Asst., Sheppard and Enoch Pratt Hospital, Towson, 1905-1906; Student Munich and Zurich, 1906-1907; Asst. Physician, Danvers State Hosp., Hathorne, Mass., 1907-1910; Chief of Clinic, Neurol. Institute, N. Y. City, 1910-1911.—Asst. in Clinical Psychiatry, Manhattan State Hosp., Ward's Island, N. Y.

Martin Phillip Rindlaub, Jr., B. L., Wisconsin, 1896; Chicago, 1897 and 1900; Berlin, 1900-1901.—Oculist, Fargo, N. D.

Francis Peyton Rous, A. B., 1900; Resident House Officer, 1905-1906; Instr. in Pathol., Univ. of Mich., Ann Arbor, 1906-1908.—Assoc. in Pathol., The Rockefeller Inst. for Med. Research, N. Y.

Oscar Menderson Schloss, S. B., Alabama Polytechnic, 1901; Resident Physician Kings Co. Hospital, Brooklyn, N. Y., 1905-1907; Res. Physician, Nursery and Child's Hosp., N. Y., 1907-1908.—Asst. Attend. Pediatrist, N. Y. Univ. and Bellevue Hosp. Med. Coll. and N. Y. Nursery and Child's Hosp. and Willard Parker Riverside Hosp., Asst. to the Chair Pediatrics, *ibid.*, Physician, N. Y.

Robert Barnard Slocum, Ph. B., Rochester, 1900, and Graduate Student, 1900-1901; Resident House Officer, 1905-1906; Supt. Walker Mem. Hosp., Wilmington, 1906-1908.—Physician, Wilmington, N. C.

Lewis Frederick Smead, A. B., Wooster, 1901; Summer School, Wisconsin, 1901; Senior Resident Physician, Union Protestant Infirmary, Baltimore, 1905-1907.—Surg., St. Vincent's Hosp., and Physician, Toledo, O.

Charles Walter Stone, A. B., Washington and Jefferson, 1901, and A. M., 1904; Interne and Res. Phys. Lakeside Hosp., Cleveland, 1905-1908; D'mn'r in Med. West. Reserve, 1908; Grad. Student, Berlin, Paris, London, 1908-09; Instr. Nerv. Diseases, Western Reserve, 1909, and Lect. in Nervous Diseases, 1910.—Visit. Neurol. Cleveland City Hosp.; Physician-in-chg. Disp. for Nervous Diseases, Lakeside Hosp., and Physician, Cleveland.

Caroline Benson Towles, A. B., Woman's College of Baltimore, 1893; Graduate Student, Prague, 1905-1906.—Physician, Baltimore.

Douglas Vander Hoof, B. L., Dartmouth, 1901, and A. M. (Hon.), 1907; Resident House Officer, 1905-1906.—Prof. Phys. Diag., Med. Coll. of Va.; Attend. Phys., Mem. Hosp.; Consult. Phys., Johnston Hosp., and Physician, Richmond, Va.

George Hoyt Whipple, A. B., Yale, 1900; Assistant and Assoc. in Pathology and Asst. Res. Pathol.,

1905-1910; Pathologist, Ancon Hosp., C. Z., 1907-1908.—Assoc. Prof. of Pathol. and Resident Pathologist.

Harry Isaac Wiel, A. B., Leland Stanford Junior, 1900; Student, Harvard, 1901; Resident House Officer, 1905-1906.—Asst. in Med., San Francisco Polyclinic, Mbr. Med. Bd. Arequipa Sanitarium for Tub., Fairfax, and Physician, San Francisco.

Hiram LaMont Youtz, Ph. B., Brown, 1900, and A. M., 1901; Member of Staff, Moline City Hosp., Lect. Anat. City Hosp., Sec. Rock Island Co. Med. Soc., and Physician, Moline, Ill., 1905-1908.—Physician, Willow City, N. D. (54)

1906

Henry Adsit. A. B., Princeton, 1902; Non-resident Surgeon, St. James Hosp., Hornells, N. Y.—Surgeon, Buffalo, N. Y.

Frank C. Ainley, S. B., Drake, 1902; Resident House Officer, 1906-1907; House Physician, Lakeside Hosp., Cleveland, 1907-1908; Asst. Res. Obstetrician, 1908-1909; Asst. in Obstet. and Res. Obstetrician, 1909-1910.—Physician, Los Angeles, Cal.

Vivia Belle Appleton, A. B., Cornell, 1901, and Med. Dept., 1901-1902; Interne, N. Eng. Hosp. for Women and Children, and Grad. Student, Harvard, 1906-1907; Graduate Student, London and Berlin, 1907-1909.—Interne Babies' Hosp., New York.

Frederic Wolcott Bancroft, A. B., Leland Stanford Jr., 1902, Interne, The Roosevelt Hos., N. Y., 1906-1908; Interne The Sloane Maternity Hosp., N. Y., 1908-1909.—Asst. in Surg. Disp. Univ. Colo. Sch. Med., Obstetrician, St. Luke's Hosp., Attend. Surg. Child'n Hosp. Alt. Surg. Mercy Hosp., 1st Lieut. Med. Res. Corps, U. S. A., and Physician, Denver, Colo.

Herschel Winston Bass, S. B., Alabama Polytechnic, 1901, and M. S., 1902; Graduate Student, Berlin, 1906-1907.—Physician, Asheville, Ala.

Francis Cooke Beall, S. B., Texas, 1902; Resident House Officer, 1906-1907. — Prof. Anat. Med. Dept., Ft. Worth Univ., and Surg., Ft. Worth, Tex.

Edward Bailey Beasley, A. B., 1902; D. P. H., Harvard, 1911; Resident Physician, The Leigh Hosp., Norfolk, Va., 1906; Interne, Willard Parker Hosp. (N. Y. Health Dept.), and Asst. Surg. Woman's Hosp., N. Y., 1907.—Physician, Baltimore.

Henry Beeuwkes, A. B., 1902.—House Physician and Surg., Hudson St. Hosp., N. Y., 1906-1907; House Surg., N. Y. Hosp., 1907-1909. — First Lieut. Army Med. Corps, Ft. Jay, Governor's Is., New York.

Julian Raymond Blackman, A. B., Nebraska, 1902; Assistant in Physiol., Wisconsin, Madison, 1906-1908; Pathol. and Surg. Asst., St. Mary's Hosp., Oshkosh, Wis., 1908; Pathol., St. Vincent's Hosp., Green Bay, Wis.; Physician, Hastings, Neb., 1908-1909; Asst. Res. Gynecologist, 1909-1910.—Asst. Dr. Kelly's Private Hosp., Baltimore.

Phoebe May Bogart (Mrs. Van Voast), A. B., Wellesley, 1902; Interne Woman's Hosp., Detroit, until Jan., 1907; Interne, Syracuse Hosp., N. Y., 1907-1908.—Asst. Gynecol. Disp. N. Y. Inf. for Women and Children and Physician, New York.

Edwards Bennett Brown, A. B., Beloit, 1901; Wis. Coll. P. and S., 1901-1903. — Physician, Beloit, Wisconsin.

Louis Herbert Burlingham, A. B., Yale, 1902; Med. House Officer, Mass. Genl. Hosp., 1906-1907; Asst. Res. Phys., Mass. Gen. Hosp., Boston, 1907-1911.—Asst. Administrator, *ibid.*

Charles Metcalfe Byrnes, S. B., North Carolina, 1902; Adj. Prof. of Anatomy, Virginia, Charlottesville, 1906-1909.—Instr. in Neurology, and Physician, Baltimore.

John Roberts Caulk, A. B., St. John's, 1901; Georgetown, 1901-1902; Interne and 2nd Asst. Res. Union Protestant Infirmary, 1906-1907; Asst. Res. Surg. J. H. H., 1908-1909; Asst. to Dr. Young, 1909-1910.—Instr. G.-U. Surg., Washg. University, Editor Interstate Med. Jour. and Surgeon, St. Louis.

Franklin H. Church, A. B., Hamilton, 1902, and A. M., 1905; Interne, Utica General Hosp., 1906-1907.—Asst. Gynecol. Utica Genl. Hosp., Pathol. St. Elizabeth's Hosp., Deputy Health Officer and Physician, Utica, N. Y.

Oren Howard Cobb, A. B., Harvard, 1902; Clin. Asst. Med., N. Y. P.-G. Hosp., 1906-1907; Med. Inspect. Div. Child Hygiene, Dept. Health, N. Y., 1907-1908.—Res. Phys., N. Y. State Hosp. for Care Crippled and Deformed Children, W. Haverstraw, N. Y.

T. Homer Coffin, S. B., Penn., 1901, and M. S., 1905.—Instr. in Medicine, The N. Y. Post-Graduate Hospital and Med. Sch., N. Y.

Herbert Phalon Cole, A. B., St. Lawrence, 1901; Student of Medicine, Minn., 1901-1902.—Lect. in Gyne-

col. Med. Dept. Univ. Ala., and Gynecol, City Hosp., and Physician, Mobile.

Egerton Lafayette Crispin, Ph. B., Illinois, 1902; Res. Pathol. and Physician, Pennsylvania Hosp., Phila., 1906-1910.—Physician, Minneapolis, Minn.

Ernest Samuel Cross, A. B., Dartmouth, 1901; Resident House Officer, 1906-1907; Res. and Asst. Attend. Physician, Telfair Hosp., Savannah, Ga., 1908-1909; Med. Dir. and Chief of Staff, *ibid*, 1910. —Physician, Aiken Cottage Sanatorium, and Physician, Aiken, S. C.

Victor Francis Cullen, A. B., Rock Hill, 1902, A. M., 1906; Res. Surgeon, St. Joseph's Hosp., Baltimore, 1906-1908.—Supt. Md. Tuberculosis Sanatorium, State Sanatorium, Md.

Gaston Day, S. B., Florida State, 1902; The New York Lying-in Hosp. (until Nov., 1906); House Surgeon, St. John's Riverside Hosp., Yonkers, N. Y., 1906-1907. —Physician, Jacksonville, Fla.

Richard Nixon Duffy, A. B., North Carolina, 1902; Resident House Officer, 1906-1907. — Physician, New Bern, N. C.

Francis Fisher Ebersole, A. B., Cornell Coll., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-1908.—Physician, Mt. Vernon, Ia.

Eugene Price Gray, A. B., North Carolina, 1902; Interne, James Walker Memorial Hosp., Wilmington, N. C., 1906-1907.—Physician, Winston-Salem, N. C.

Herbert Lee Gray, A. B., Colby, 1902; Interne, Lying-in Hosp., N. Y. (4 mos.); Interne, Kingston Ave. Hosp., Dept. of Health, Brooklyn, N. Y., 1906-1907.—Deputy Surg., N. Y. Hosp.; Clin. Asst. G.-U. Dept. N. Y. Polyclinic Hosp.; Chief Clin. G.-U. Diseases, Demilt Disp., and Physician, N. Y.

Franklin Webb Griffith, A. B., Western Maryland, 1902, and A. M., 1905; Externe in Gynecology, 1906-1907; Asst. Resident and Act. Res. Gynecologist, 1907-1911. —Surg., Asheville, N. C.

Arthur Heywood Griswold, A. B., Harvard, 1902; Interne, The Hartford Hospital, Conn., 1906-1908.—Physician, Hartford Tub. Disp., Asst. Pathol. and Bact. Hartford Hosp. and Phys., Hartford, Conn.

Henry Honeyman Hazen, A. B., 1902; Externe in Dermatol.; Chief Clinic, Freedman's Hosp., and Instr. Clin. Micpy., Howard Med. Sch., 1906-1909; Visit. Dermatol., Freedman's Hosp., 1910-1911.—Clin. Prof. Dermatol. Howard Univ., and Physician, Washington, D. C.

Henry Frederick Helmholz, S. B., Wis., 1902; Summer Quarter, Chicago, 1902; Fellow in Pathology, 1906-1907; Voluntär Asst. Children's Clinic, Berlin, 1907-1909.—Asst. Prof. Pediatrics, Rush Med. Coll.; Resch. Asst. Otho. S. A. Sprague Mem. Inst.; Attend. Phys. St. Joseph and Child. Hospitals; Med. Dir. Infant Welfare Soc., and Physician, Chicago.

Charles William Hennington, S. B., Rochester, 1902; Res. House Officer, and Asst. in Surg. Path., 1906-1908.—Asst. on Staff, City Hosp. and Physician, Rochester, New York.

Minerva Herrinton, A. B., Cornell, Ia., 1900; Graduate Student, Lewis Inst. (Chicago), 1902; Physician, Evening Dispensary for Women and Children, Baltimore, 1906-1908.—Physician, Phila.

Joseph Henry Hewitt, A. B., North Carolina, 1899, and Med. Dept., 1901-1902; Harvard Summer 1902; Res. Pathologist, Charity Hosp., Cleveland, O., 1906-1908; Dem'nst'r. Pathol. Univ. Minn., 1909-1910; Pathol. Ga. State Sanitarium, Milledgeville, 1910-1911.—Chicago.

Frank Hinman, A. B., Leland Stanford, Jr., 1902.—City Bacteriol., and Physician, Spokane, Wash.

Josephine Drummond Hunt, A. B., Kentucky, 1899, and A. M., 1902; Interne, Hospital for Women and Children, Syracuse, N. Y., 1906-1907; Summer Interne, Babies' Hosp., N. Y., 1909.—Obstetrician, Good Samaritan Hosp., and Physician to House of Mercy and Physician, Lexington, Ky.

Elliott H. Hutchins, A. B., St. John's, 1902; and A. M., 1906; Interne, Church Home and Infirmary, Balt., 1906-1907; Res. Surg., Lakeside Hosp., 1907-1908.—Physician, Balt.

Clarence B. Ingraham, Jr., Ph. B., Yale, 1902; Interne in Obstetrics, 1906-1907; Asst. Dr. Kelly's Sanitarium, Baltimore, 1907-1909.—Instr. in Obstetrics, Univ. of Colo.; Asst. Res. Obstet., St. Luke's Hosp.; Med. Reserve Corps, U. S. A., and Physician, Denver, Colo.

Lawrence Lee Iseman, Ph. B., Lafayette, 1902; Senior Resident, Kensington Hosp. for Women, Phila., 1906-1908.—Clin. Asst. in Surg., N. W. Univ. Med. Sch.; Asst. Surg. Ill. Cent. R. R., and Physician, Chicago.

William Finney Kellam, A. B., Randolph-Macon, 1902. — Physician, Onley, Va.

Eugene Robert Kelley, A. B., Bowdoin, 1902; Interne, Carney Hosp., Boston, 1906-1907.—Asst. State Comm. Health; Assoc. Editor *"Northwest Medicine;"* Asst. Sec. Wash. State Assn. Prevention and

Relief Tuberculosis, and Physician, Seattle, Wash.

John Hendricken King, A. B., 1899; and Grad. Student, 1899-1902; Vol. Asst. and Asst. in Med., 1906-1908; Inst. in Pathology, 1908-1910.—Associate.

Mary Barker Kingsbury, A. B., Wellesley, 1899; Harvard Summer School, 1899; Interne, The Babies' Hosp., New York, 1906-1907.—Physician, Pottsville, Pa.

Wilhelm Edmund Harmon Krechting, A. B., Princeton, 1902; Asst. House Surg., N. Y. Lying-in Hosp., 1906,1907.—House Surg. J. Hood Wright Mem. Hosp., N. Y.

Harry Leslie Langnecker, A. B., Leland Stanford, Jr., 1901; Res. House Officer, 1906-1907; Orth. House Officer, Mass. Genl. Hosp., 1908; Asst. Orthoped. Surg. Mass. Genl. Hosp., 1909-1911.—4th Asst. Res. Phys., *ibid,* and Physician, Cambridge.

Andre Edward Lee, A. B., Leland Stanford, Jr., 1902; Passed Asst. Surgeon, U. S. N., Mare Island Hosp., Calif., 1906-1907; Naval Hospital, Canacao, P. I., 1907-1908; Cruising Asiatic Sta., 1909; Mare Is. Hosp., Cal., 1910.—P. A. Surg., U. S. N., Navy Recruit'g. Sta., Buffalo, N. Y.

Joseph Stocking Lewis, A. B., Canisius, 1902; Graduate Student, Cornell, Summer, 1902; Interne, German Hospital, N. Y., 1906-1909. — Asst. Surg. Children's Hosp., and Attend. Gynecol., Buffalo Sisters of Charity Hosp., and Physician, Buffalo, N. Y.

David Israel Macht, A. B., 1902; Harvard Summer Sch., 1903, 1904 and 1905; Vol. Asst. Klinik, Prof. Landau, Berlin, and Graduate work in Europe, 1906-1907; Externe, Med. and Phipps Dispensaries, 1908-1909; Asst. in Gynecol., Hebrew Hosp.,1908-1910.—Gynecol. Jewish Hosp. for Consumptives; Asst. in Medicine, and Physician, Baltimore.

George Marsden, Ph. B., Brown, 1900.—Physician, New Bedford, Massachusetts.

Enoch Marvin Mason, S. B., Alabama Polytechnic, 1900, and M. S., 1901; Resident House Officer, 1906-1907.—Phys. Jeff. Co. Anti-Tubercul. Assn., Pathol. Hillman Hosp., and Physician, Birmingham, Ala.

Carl R. Meloy, A. B., Wittenberg, 1902, and A. M., 1905; Instructor in Pathol., Univ. of Virginia, 1906-1907; Asst. in Pathol. and Asst. Resident Pathol., and Pathol. City Detention Hosp., Bay View, 1907-1908; Adj. Prof. Pathol., Univ. of Va., Charlottesville, 1908-1910. — Physician, Detroit, Michigan.

Robert Emory Moore, A. B., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-1908. — Asst. Visit. Surg., Samaritan Hosp. and King's Co. Hosp. and Allied Hospitals of Brooklyn, and Physician, Brooklyn; Clin. Asst. G.-U. Diseases, L. I. Coll. Hosp.

Arthur Henry Morse, A. B., Tufts, 1902; Harvard Medical Sch., Summer of 1903; Res. Pathol., R. I. Gen., Providence, 1906-1907; Asst. Res. Obstetrician, 1907-1908; Asst. Res. Surg., U. P. Infirm., 1908-1909; Asst. Res. Obstet., 1909-1910; Res. Obstetrician and Instr. in Obstetrics, 1910-1911.—Asst. Res. Surg. U. P. Infirmary.

Agnes Gordon Murdoch, A. B., Woman's Coll. of Balto., 1902; Interne, New Eng. Hosp., Roxbury, Mass., 1906-1907. — Med. Missionary, Hwai Yuen via Nanking, China.

Marie Eleanor Nast (Mrs. W. B. Wherry), A. B. Woman's Coll. of Balto., 1902; Chicago, 1902-1903. —Cincinnati, O.

John Francis Ortschild, A. B., Leland Stanford Jr., 1899; Asst. in Operative Surgery (H. L.), 1906-1907; Asst. Res. Surg., 1907-1908. —Portland, Ore.

Robert Patek, S. B., California, 1901.—Asst. Surg., Emergency Hosp., and Physician, San Francisco.

Isaac Rosenbaum Pels, A. B., 1902; Interne, The Jewish Hosp., Phila., 1906-1907; Externe in Medicine, 1907; Interne, U. P. I., 1908; Externe in Surgery, 1908-1909.—Surg. Out-Pat. Dept. Hebrew Hosp., Asst. in Dermatol. and Physician, Baltimore.

Damon Beckett Pfeiffer, A. B., Princeton, 1902; Interne, The German Hosp., Phila., 1906-1909. Pathol., German Hosp.; Director, Clin. Lab., Presbyterian Hosp.; Instr. Surg. Univ. of Penna.; Asst. Surg. Univ. Hosp. and Out-Patient Dept. German Hosp., and Physician, Philadelphia.

Benjamin Swayne Putts, A. B., 1902; Res. Physician, Allegheny General Hosp., Pa., 1906-1907; Physician, Mass. State Sanatorium, Rutland, 1907-1908. — Deputy Med. Director, Penna. State So. Mt. Sanatorium, Mont Alto, Pa.

Ralph R. Rea, S. B., Iowa State, 1899.—Physician, Los Angeles, Calif.

Francis Hamilton Redewill, S. B., California, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1906-1907; Asst. Surg. Ft. Bayard, N. M., 1907-1908; Student, Paris, 1910-1911; Asst. Chief. Surg. Randolph R. R. Lines; Phys. & Surg., Phoenix, Ariz.

Richard Frederic Lot Ridgway, A. B., Princeton, 1898, and A. M., 1902; Res. Physician Harrisburg Hosp., Pa., 1906-1907. — Disp. Surg. and Anaesthetist, Harrisburg Hosp., and Physician, Harrisburg.

Henry Camp Russ, A. B., Yale, 1902; Res. Pathologist, The Lakeside Hosp., Cleveland, O., 1906-1907; Asst. Supt., *ibid.*, 1907-1808.—Physician in chg. Lab. Charter Oak Private Hosp., Asst. Pathol. Hartford Hosp., and Physician, Hartford, Conn.

Harold Payne Sawyer, S. B., Alabama, 1902; Asst. in Pathol., Bender Hygienic Lab. and Instr. in Pathol. and Bacteriol., Albany Med. Coll., N. Y., 1906-1908; Instr. Pathol. Univ. and Bellevue Hosp. Med. Sch., 1908-1909.—Asst. Pathol. Samaritan Hosp., Pathol. Leonard Hosp., Instr. in Clin. Micpy., Albany Medical Coll., and Physician, Troy, N. Y.

Edwin Henry Schorer, S. B., Wisconsin, 1902; Rockefeller Inst. for Med. Research, N. Y., 1906-1907; Instr. in Pathol. and Bacteriol., Univ. of Missouri, Columbia, 1907-1908; Asst. Prof. Parasitology and Hygiene, *ibid.*, 1908-1909; Asst. Prof. Bact. and Path. Univ. of Kansas, Lawrence, 1909-1910.—Special Investigator, Dept. Preventive Med. and Hygiene, Harvard Med. Sch., Boston.

*Lamar Seeley, A. B., Williams, 1902.—Interne, St. Luke's Hosp., New York, 1906-1907.

Ralph Berger Seem, Ph. B., Lafayette, 1902; Senior Res. Physician, St. Luke's Hosp., South Bethlehem, Pa., 1906-1908. — Supt. J. Walker Mem. Hosp., Wilmington, North Carolina.

Frank Joseph Sladen, A. B., Yale, 1902; Resident House Officer and Asst. Res. Physician in Charge Med. Bacteriol. Lab., Asst. in Med., 1906-1908; Instr. in Med. and Asst. Res. Physician, 1908-1910.—Assoc. in Med. and Res. Physician and Med. Adviser to the Students.

Harry Gordon Sloan, A. B., Washington and Jefferson, 1902; Res. Surg., The Lakeside Hospital, Cleveland, 1906-1909.—Demonstr. Surg. Physiol. West. Res. Med. Dept. and Physician, Cleveland.

Harvey Brinton Stone, A. B., 1902; Res. House Officer, 1906-1907; Adjunct. Prof. of Surg., Univ. of Virginia, Charlottesville, 1907-1910.—Assoc. Prof. Surg. Balt. Med. Coll., and Surgeon, Balt.

Persis Rosamond Straight, A. B., Smith, 1902. — Physician, Bradford, Pa. (*Degree granted Nov.* 5, 1906).

Solomon Strouse, A. B., 1902; Res. House Officer, 1906-1907; Physician, Out-Pat. Dept. Hebrew Hosp., 1907-1909. — Asst. Pathol., The Michael Rees Hosp., Chicago.

Henry Clarke Thatcher, A. B., Yale, 1902, M. S., 1904, and Med. Dept., 1902-1903; House Officer, Bellevue Hosp., N. Y., 1906-1908; Dr. Thayer's Asst. J. H. H., 1909-1910.—Asst. in Med., Columbia Univ., N. Y.; Asst. Visit. Phys., Seton Hosp., and Physician, New York, N. Y.

Philip Pickering Thompson, A. B., Dartmouth, 1902; Med. Sch. of Maine, 1902-1903; Interne, Carney Hospital, Boston, 1906-1907. Dmnstr. Anat. Med. Sch. of Me., Assoc. Editor, Me. Med. Jour., and Physician, Portland.

Harry Norton Torrey, S. B., Knox, 1900; Med. Dept., Mich., 1901-1905, and A. M., 1905; Rockefeller Fellow, Univ. of Mich. Summer of 1906. — Physician, Detroit, Mich.

Willis Willard Waite, S. B., Wisconsin, 1902; Pathological Interne, City Hospital, Blackwell's Island, N. Y., 1906-1907; Bacteriol, N. Y. City Dept. Health, 1907, Bureau of Health and St. Joseph's Hosp., and Physician, Syracuse, N. Y.—Dir. El Paso Med. Lab., El Paso, Texas.

Harold Randall Webb, A. B., Bowdoin, 1902; Resident Physician, City Hosp., Waltham, Mass, 1906-1908.—Physician, Arlington, Mass.

George Howard White, Jr., A. B., Princeton, 1902; Resident House Officer, 1906-1907; Pathol. General Hosp., and Physician, Charleston, W. Va.

Frederick Petheram Wilbur, A. B., Williams, 1902; Interne, City Hosp., Blackwell's Island, N. Y., 1906-1907. — Physician, Franklin Furnace, N. J.

Nannie Lee Winn, A. B., Woman's Coll. of Balto., 1900.—Physician, Clayton, Ala.

John Arthur Winter, A. B., Michigan, 1902; Interne, The Lakeside Hospital, Cleveland, 1906-1907; Physician and Surg., Calumet and Hecla Mining Co. Hosp., Calumet, Mich, 1907-1908; Grad. Student in Europe, 1908-1909; House Surgeon Ill. Charitable Eye & Ear Infirmary, Chicago, 1909-1910.—Special Exam. Anti-Tub. Com. and Asst. Special Exam. for Schools, and Physician, Duluth, Minn.

Gilman Joseph Winthrop, A. B., Univ. of the South, 1902; Interne, Gouverneur Hosp., New York, 1906-1908.—Dmnstr. Surg. and Pathol., Univ. of Ala., and Surgeon, Mobile.

Benjamin Edgar Wolfort, S. B., Pennsylvania, 1902, and Med.

Dept., 1901-1902; Interne, Kingston Av. Hospital, Brooklyn, 1906-1907; Interne, Jewish Hosp., Brooklyn, N. Y., 1907-1908.—Asst. Orthopedic Surg., Jewish Hosp.; Surg. East N. Y. and Jewish Hosp. Dispensaries, and Physician, Brooklyn.

Samuel Wolman, A. B., 1902.—Instr. in Med. and Asst. Physician and Physician, Baltimore.

Peregrine Wroth, Jr., A. B., 1902; Res. Physician, Union Protestant Infirmary, Balt., 1906-1908.—Surgeon, Hagerstown, Md. (85)

1907

Merle Theron Adkins, S. B., Beloit, 1903; Interne, Union Protestant Infirmary, 1907-1908.—Physician, Baltimore.

Francis Merriman Barnes, Jr., A. B., Hamilton, 1903; A. M., 1906; Asst. Phys. and Director Clin. Lab., Sheppard and Pratt Hospital, Towson, 1907-1910.—Junior Asst. Physician, Gov. Hosp. for Insane, Washington, D. C.

Albert Henry Beifeld, A. B., Harvard, 1902; Interne, Michael Reese Hospital, Chicago, 1907-1909.—Physician, Chicago.

Edward Grant Birge, S. B., Wisconsin, 1903; Bacteriologist, Back River Disposal Wks., Colgate, Baltimore, 1907-1911.—Asst. Bacteriol. Penna. R. R. Co., Altoona, Pa.

Montague Laffitte Boyd, Ph. B., Emory, 1903; Interne, Walker Mem. Hospital, Wilmington, N. C., 1907-1908; Private Asst. to Dr. H. H. Young, 1908-1909.—Asst. Res. Surg. J. H. H., 1909-1910.—Surgeon, Atlanta, Ga.

Leverett Dale Bristol, S. B., Wesleyan (Conn.), 1903; Interne, Hartford Hosp., Conn. (summers), 1905-1906; Instr. in Pathol. and Bacteriol., Coll. of Med., Syracuse Univ., N. Y., 1907-1908.—Physician, St. Paul Free Med. Disp.; Assoc. Phys. Univ. Hosp. and Clin. Asst. Med. Univ. Minn.; Med. Director, St. Paul Anti-Tub. Com.; Secy. Clin. Sec. Nat. Assn. Study and Prevention of Tuberculosis, and Physician, St. Paul, Minn.

Chester Timothy Brown, S. B., Rutgers, 1903; Interne, N. Y. City Hospital, 1907-1908.—Physician, East Orange, N. J.

Wade Hampton Brown, S. B., Nashville, 1899; Chicago, 1902-1903; Interne, Union Protestant Infirmary, Balt. (until Sept. 1, '07); Instr. in Pathol., Univ. of Virginia, Charlottesville, 1907-1908; Instr. in Pathol., Univ. of Wisconsin, Madison, 1908-1910; Asst. Prof. Pathol., *ibid.*, 1910-1911.—Prof. Histol. and Pathol. Univ. of N. C., Chapel Hill.

Frederick Dabney Bullock, S. B., Ky. State Coll., 1899; Interne, German Hosp., N. Y., 1907-1908.—Asst. Pathol., R. I. Genl. Hosp., Providence.

Edward Kimball Burbeck, A. B., Dartmouth, 1903.—Phys., Salem, Mass.

Charles Burnside, Ph. B., Iowa Coll., 1903; Interne, Passavant Mem. Hospital, Chicago, 1907-1908.—Physician, Des Moines, Ia.

Waid Edwin Carson, A. B., Ohio Wesleyan, 1900; Spg. and Summer Qrs., Chicago, 1903; Res. Phys., Allegheny Genl. Hosp., Pgh., 1907-1908.—Physician, Pittsburgh.

James H. Chesnutt, A. B., Virginia, 1903; Resident House Officer, 1907-1908.—Physician, Hot Springs, Ark.

Eliot Round Clark, A. B., Yale, 1903; Asst. and Instr. in Anatomy, 1907-1910.—Associate.

Paul Wiswall Clough, S. B., Wisconsin, 1903; Resident House Officer, 1907-1908; Asst. and Instr. in Med. and Asst. Res. Physician, 1908-1911.—Instr. in. Med. in Chg. of Biol. Div. of Med. Clinic and Asst. Res. Phys.

Edwin Charles Cort, A. B., Washington and Jefferson, 1901, and A. M., 1904; Student, West. Penna. Med. Coll., 1901-1903; Externe in Medicine, 1907-1908.—Med. Missionary, Lakawn, Siam.

Fred Yohn Cronk, S. B., St. John's, 1903, and A. M., 1907; Interne, Lakeside Hosp., Cleveland, 1907-1909; Res. Surg., St. Agnes Hosp., Balt., 1909-1910.—Surgeon, Kalamazoo, Mich.

Robert Law Cunningham, A. B., Wabash, 1901; Resident House Officer, 1907-1908; Instr. Physiol. and P.-C. Univ. of Calif., 1909-1910; Res. Phys., Barlow Sanatorium, 1908-1911.—Instr. in Clin. Med., Med. Dept. Univ. of Cal., and Physician, Los Angeles, Cal.

Cline Flemming Davidson, S. B., Wabash, 1900; Illinois, 1901-1903; Res. House Officer, 1907-1908; Asst. Instr. Physiol., State Univ., Wash., 1908-1909.—Chief City Med. Inspector, Pathol. City Hosp., and Physician, Seattle, Wash.

Paul Herman Dernehl, S. B., Wisconsin, 1903; Volun. Asst. Rostock, Germany, 1907-1908; Asst. Ophthal. Clinic, Strassburg, 1908-1909.—Physician, Milwaukee, Wis.

William Wirt Dinsmore, S. B., Ala. Polytechnic, 1903.—Physician, Decatur, Ala.

Alphonse Raymond Dochez, A. B., 1903; Rockefeller Student in Path. Physiol., J. H. U., 1908;

Fellow in Path. Rock. Inst. for Med. Res., 1909-1910; Bacteriol. the Hosp. of the Rockefeller Inst. for Med. Research, N. Y., 1911.—Asst. Res. Physician, *ibid.*

Robert Weyer Dunlap, A. B., Washington and Jefferson, 1903; Interne, West Penna. Hosp., Pittsburgh, 1907-1908.—Med. Missionary, Amer. Presbyterian Mission, Ten-Chou, Shantung Prov., China.

Dan Hughes DuPree, S. B., Georgia, 1903.—Physician, Athens, Ga.

Willis Dew Gatch, A. B., Indiana, 1901; Resident House Officer, 1907-1908; Asst. Res. Surgeon and Asst. in Surgery, 1908-1911.—Prof. of Surgery, Med. Sch. Univ. of Ind., Indianapolis.

George Burton Gilbert, A. B., Yale, 1903; Interne, Hartford Hosp. (Mar. to June), 1908; Res. Phys. Cragmor Sanatorium, Colorado Spgs., 1909-1911.—Res. Phys. Manitou Pk. Hotel, Colo., and Physician, Colo. Spgs., Colo. (*Degree granted Feby.* 22, 1908.)

Henry Graber, A. B., Ursinus, 1903; Res. and Chf. Res. Phys., Presbyterian Hosp., Philadelphia, 1907-1910.—Physician, Royersford, Pa.

Inslee Blair Greene, Ph. B., Yale, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1907-1908.—Res. Physician, Seattle Municipal Hosp., and Physician, Seattle, Washington.

Clyde Graeme Guthrie, A. B., Lafayette, 1903; Resident House Officer, 1907-1908.—Instr. in Med. in charge Clin. Lab. and Asst. Res. Physician.

Milton Hahn, A. B., Harvard, 1903; Interne, Mt. Sinai Hosp., New York, 1907-1909.—Visitg. and Attend. Pediatrician, Freedman's Hosp. and Geo. Washington's Univ. Disp.; Instr. in Pediatrics, Geo. Washington's Univ. and Physician, Washington, D. C.

Aleck Perkins Harrison, A. B., Fla. State Coll., 1899; Res. Physician, St. Agnes' Hosp., Balt., 1907-1908; Res. Physician, "Camp Greenbrier," Alderson, W. Va. (Summer of 1908); Private Physician, abroad, Summer, 1909; Phys. and Pathol., Springfield State Hosp., Md., 1909-1910; Asst. Med. Director "The N. W. Mutual Life Ins. Co. of Milwaukee;" Physician, Milwaukee, 1910-1911.—Physician, Howard, R. I.

George W. Hartman, S. B., California, 1903; Res. Physician, The French Hosp., N. Y., 1907-1908; House Surg., Flushing Hosp., Flushing, N. Y., 1908-1909.—Physician, San Francisco, Cal. (*Degree granted February* 22, 1908.)

Franklin Hazlehurst, Jr., A. B., 1903; Act. Res. House Officer and Externe in Medicine, 1907-1908; Volun. Asst. Ear Clinic, Univ. of Strassburg, 1909-1910.—Laryn. & Otol., Robt. Garrett Hosp. for Children and Asst. in Throat and Nose, and Physician, Balt.

Ralph Wellington Hellenbrand, A. B., Bowdoin, 1903.—Res. Surg. New York Hosp., New York.

Elizabeth Singley Hellweg, A. B., Woman's Coll. (Balt.), 1899.—Asst. Phys. Manhat. State Hosp., Wards Is., N. Y.

Gladys Rowena Henry, S. B., Nebraska, 1900; Resident House Officer, 1907-1908; Asst. Res. Physician, 1908-1909.—Chicago, Illinois.

George Julius Heuer, S. B., Wisconsin, 1903; Resident House Officer, 1907-1908.—Asst. Res. Surgeon.

Eben Clayton Hill, A. B., 1903; Graduate Student, Freiburb, Summer, 1904, 1906; Res. Phys. Camp Champlain, Burlington, Vt., 1907-1908; Asst. in Anatomy, 1907-1908; 1st Lieut. Med. Reserve Corps, 1908-1909; Graduate, Army Med. Sch., 1909; 1st Lieut. Med. Corps, U. S. Army, 1909-1911.—Madison Barracks, N. Y.

Charles Lane Hincher, S. B., Rochester, 1903; Interne, Park Ave. Hosp., Rochester, N. Y., 1907-1908.—Physician, Rochester, N. Y.

Joseph Gardner Hopkins, A. B., Columbia, 1902; Resident House Officer, 1907-1908.—Bacteriol., St. Luke's Hosp., Pathol. Sloane Maternity Hosp., and Asst. in Clin. Pathol., Columbia Univ., N. Y.

Herbert Lester Kelley, A. B., Dartmouth, 1903.—Passed Asst. Surgeon, U. S. Navy, U. S. Navy Yard, Mare Is., Cal.

Allen Kramer Krause, A. B., Brown, 1901, and A. M., 1902, and Graduate Student, 1902-1903; Asst. and Instr. in Pathol., 1907-1909.—Asst. Saranac Lab. for Study of Tuberculosis, Saranac Lake.

Sally Porter Law (Mrs. Alexius McGlannan), A. B., Bryn Mawr, 1903.—Baltimore.

Bethuel Boyd Vincent Lyon, A. B., Williams, 1903; Res. Physician, German Hospital, Phila., 1907-1909; Dmnr. in Med. Jeff. Med. Sch., 1909-1910.—Pathol. Methodist Hosp.; Asst. Pathol. German Hosp.; Asst. Phys. Med. Disp., Univ. Penna., and Physician, Philadelphia.

Perry William McLaughlin, A. B., Pennsylvania Coll., 1903.—Physician, Greencastle, Pa.

Edward Fall Malone, A. B., Vanderbilt, 1903; Clin. Asst. Sheppard-Pratt Hosp., Towson, 1907; Student, Berlin, Germany, 1907-1910.—Asst. Prof. of Anat., Univ. of Cincinnati, O.

Norris Gray Orchard, S. B., Fargo Coll., 1903; Interne, City Hosp., Rochester, N. Y., 1907-1908.—Physician, Rochester.

Fred Thomas Owens, A. B., Hamilton, 1903, and A. M., 1906; House Physician, City Hospital, N. Y., 1907-1908. — Physician, Utica, N. Y.

Charles Benjamin Palmer, A. B., Harvard, 1901; Med. Interne, Manhattan State Hosp. (6 mos.), Interne, N. Y. Post Graduate Hospital, N. Y., 1908-1910.—Physician, Las Chispas Mine, Sonora, Mexico.

William Turner Parsons, A. B., 1903.—Junior Res. Balt. Eye, Ear & Throat Charity Hosp., Balt.

Carroll Dunham Partridge, S. B., Vermont, 1900; Instr., Chicago Summer qrs., 1904-1905; Asst. Cornell, 1900-1902; Carnegie Research Asst. in Organic Chem., 1907-1908; Pathol., Thos. Wilson Sanitarium, Md., 1907-1908; Pathol., State Infirmary, Tewksbury, Mass, 1908-1910.—Path. House Officer, Albany Hosp. and Asst. in Path., Albany Med. Sch., Albany, N. Y. (*Degree granted Feby.* 22, 1908).

William Otto Pauli, A. B., Cincinnati, 1902; Asst. Biol., 1902-1903; Resident House Officer, 1907-1908. Instr. Obstet.: Dmnstr. in Clin. Micpy., Ohio-Miami Med. Coll, and Physician, Cincinnati.

George Peirce, A. B., Haverford, 1903; Resident Physician, Dr. Grenfell's Hospital, St. Anthony, Newfoundland, 1907; Res. Physician, Penna. Hosp., Phila., 1908-1909.—Graduate Student, Berlin, Germany.

Eugene Leo Pessagno, A. B., 1903; Interne, St. Joseph's Hosp., 1907-1908; Asst. in Med., 1908-1909.—Physician, Disp. St. Joseph's Hosp. and Physician, Baltimore.

Harry Ward Plaggemeyer, A. B., 1903; Interne, King's County Hosp., Brooklyn, N. Y., 1907-1909. —Private Asst. to Dr. Young, and Physician, Baltimore.

Paul Preble, A. B., Bowdoin, 1903; Res. Surg., St. Agnes' Hosp., Baltimore, 1907-1908.—Asst. Surg., U. S. P. H. & M. H. S. Chief Miscellaneous Div., Bureau P. H. & M. H. S., Washington, D. C.

Alexander Randall, A. B., St. John's, 1902; and M. A., 1907; Graduate Student, 1902-1903; Interne, German Hospital, Philadelphia, 1908-1909; Asst. to Dr. Young, Balt., 1909-1910.—Asst. Res. Surg.

Daniel Pattee Ray, A. B., Dickinson, 1903, A. M., 1908; Res. Physician, McKeesport Hospital, Pa., and West. Penna. Hosp., Pittsburg, 1907-1908. — Pathol. and Asst. Visit. Phys., Conemaugh Valley Mem. Hosp., and Physician, Johnstown, Pa.

Clarence Adair Rhodes, A. B., Randolph-Macon, 1903; Interne, St. Vincent's Hospital, N. Y., 1907-1908; Interne, Willard Parker Hosp. (3 mos.); Res. Phys., N. Y. Foundling Hosp., 1909-1910; House Phys. (St. John's Guild), Sea Side Hosp., New Dorp, S. I., N. Y., 1910-1911.—Adj. Prof. Med. & Thera., Atlanta Coll. P. & S., and Physician-in-Chief, Wesley House, and Physician, Atlanta, Ga.

Charles Woodward Riley, A. B., 1903. — Interne, The Woman's Hosp. of the State of N. Y., N. Y. City.

Mary Jane Ross, A. B., Cornell, 1898, and Ph. D., 1902; Woman's Med. Coll. of Penna., 1898-99; A. M., Pennsylvania, 1900; Interne, The Babies' Hospital, New York, June-Oct., 1907; Res. Pathol., St. Luke's Hosp., New Bedford, Mass., 1907-1909.—Physician, Binghamton, N. Y.

Edgar Poe Sandrock, A. B., 1903; Res. Physician, St. Agnes' Hosp., Balt., 1907-1909; Res. Phys., "Camp Greenbrier," Alderson, W. Va. (Summer), 1909.—Physician, Baltimore.

Hiram Sibley Schumacher, Ph. B., Rochester, 1903; House Officer, Rochester Homeopathic Hosp., N. Y., 1907-1908. — Med. Dispen., Rochester Homeo. Hosp. and Physician, Rochester.

Raymond Brown Scofield, S. B., Rochester, 1902; Asst. Surg. U. S. Pub. Health and Marine Hosp. Service, Stapleton, S. I., N. Y., 1907-1909; Asst. and House Surg. J. Hood Wright, Mem. Hosp., N. Y., 1908-1909.—Asst. Phys. Yonkers Tub. Disp. and St. John's Riverside Hosp. Disp. and Physician, Yonkers, N. Y.

Will Farquhar Shallenberger, A. B., Washington and Jefferson, 1903; Res. House Officer, 1907-1908; Asst. Res. Physician, 1908-1909; Asst. Res. Gynecologist, 1909-1910; Res. Surg. Hosp. for Women of Md., 1910.—Gynecologist, Atlanta, Ga.

Clarence Albert Shore, S. B., North Carolina, 1901, M. S., 1902, and Med. Dept., 1903-1904.—Director, State Lab. Hygiene, Raleigh, N. C. (*Degree granted January* 6, 1908.)

George Arthur Smith, A. B., Yale, 1903; Interne, The Hartford Hosp., 1907-1908. — Physician, Hartford, Conn.

Joseph Tate Smith, Jr., A. B., 1903; Res. House Officer and Asst. Res. Obstetrician, 1907-1909; Res. Gynecol., Lakeside Hosp., Cleveland, 1909-1910.—Physician, Cleveland, O.

Charles Granville Souder, S. B., Ohio State, 1903.—Pathol., Robinwood Hosp., and Physician, Toledo, O.

Charles Henry Stubenrauch, A. B., 1903; Asst. Res. Physician, Church

Home and Infirmary, Baltimore, 1907-1908; Asst. in Med., 1908-1910.—Physician, Havana, Ill.

Charles Henry Turkington, Ph. B., Yale, 1903; Interne, Hartford Hosp., Conn., 1908-1909.—Physician, Litchfield, Conn.

Lucius Tuttle, A. B., Yale, 1901; Microscopist Univ. Hosp. Disp., 1907-09; Asst. Dmnr. Pathol., Univ. of Penna., 1908-1910.—Dmnr. Physiol., Jefferson Med. Coll. and Physician, Philadelphia. (*Degree granted April* 1, 1907.)

Percy Theodore Watson, A. B., Carleton, 1903; Resident House Officer, 1907-1908. — Med. Missionary, Fen-chofu, Shansi, China.

William Henderson White, A. B., Dickinson, 1903; Interne, Paterson General Hospital, N. J., 1907-1908; Interne, Riverside Contagious Hosp., North Bros. Is., N. Y., 1908-1909; Hosp. Phys., N. Y. City Board of Health, Otisville Sanatorium, Otisville, N. Y.

Udo Julius Wile, A. B., Columbia, 1904, and Med. Dept., 1903-1904; Vol. Asst. Dermatol. Clinic, Berlin, 1908-1909.—Chief Clinic in Dermatol. and Syphilis, Beth Israel Hosp.; Attend. Dermatol. Hebrew Infant Asylum; Asst. N. Y. Skin and Cancer Hosp., and Physician, N. Y. (*Degree granted January* 6, 1908.)

Milton Charles Winternitz, A. B., 1903; Fellow Asst. and Instr. in Pathology, 1907-1910.—Assoc. in Pathology and Asst. Res. Pathologist; Pathol., Bay View.

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1908

Solomon J. Applebaum, A. B., Rochester, 1904; Interne, West. Penna. Hosp., Pittsburgh, 1908-1909.—Asst. Phys. Genl. Hosp., and Physician, Rochester, N. Y.

Joseph Robson Bromwell Branch, A. B., 1904; Res. House Officer, 1908-1909; Med. Supt., The Macon Hosp., Macon, Ga., 1909-1910.—Attend. Gynecol. to Macon Hosp. and Physician, Macon, Ga.

Addison Gorgas Brenizer, Jr., A. B., North Carolina, 1904; Interne, Univ. of Heidelberg, Germany, 1908-1910.— Surgeon, Charlotte, N. C.

James Stewart Brotherhood, S. B., Dartmouth, 1904; Res. House Officer, 1908-1909; Asst. Res. Physician and Asst. in Med., 1909-1910; Res. Physician, Sydenham Hosp., Balt., 1910-1911.— Res. Phys. Wash. Univ. Hosp., St. Louis, Mo.

Carl Herbert Bryant, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-1909.—Physician, Independence, Mo.

Jonathan Edward Burns, Jr., A. B., Virginia, 1904; Interne, Union Protestant Infirmary, Baltimore, 1908-1909.—Physician, Wheeling, W. Va.

Christian Frederick Carstens, A. B., Lake Forest, 1901; Interne, City Hospital, N. Y., 1908-1909.—Physician, Keewatin, Minn.

Webster Kimball Clark, Ph. B., Yale, 1904.—Pathol. Franklin Co. Hosp., and Physician, Greenfield, Mass. (*Degree granted April* 5, 1909.)

Ralph DeBallard Clarke, A. B., N. Y. Univ., 1904; Interne, Post-Grad. Hosp., N. Y., 1908-1910; House Phys. Home for Convales. Babies Sea Cliff, L. I., N. Y., 1910-1911.—Res. Surg. Nances Cay Hosp., Bocas del Toro R. de Panama.

Jean Valjean Cooke, A. B., West Virginia, 1903, and Yale, 1904; Harvard Med. Sch. (Summer), 1906; Instr. Pathol., Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-1910; Res. Pathol. Penna. Hosp., Phila.—Instr. Pathol. Tulane Univ. and Res. Pathol. Touro Hosp., New Orleans, La.

Edward Vincent Coolahan, A. B., Rock Hill, 1903.—Res. Phys., St. Vincent's Hosp., N. Y.

Frederick Aloysius Coughlin, A. B., Brown, 1904.—Interne, City Hosp., Boston.

Samuel James Crowe, A. B., Georgia, 1904; Assistant in Surgery (H. L.), 1908-1909; Asst. Res. Surg., 1909-1910.—Asst. in Surg.

Edward Adams Deming, Ph. B., Yale, 1904; Interne, N. Y. Health Dept. to Jan. 1, 1909; Interne, Hartford Hosp., Conn., 1909-1910.—Physician, Hartford.

Henry Strong Denison, A. B., Cornell, 1905; Interne, Mass. Gen. Hosp., Boston, 1908-1909.—Director, St. Luke's Hosp. Lab.; Asst. in Med., Univ. of Colo., and Physician, Denver.

William Reuben S. Denner, A. B., Penna. Coll., 1904, and A. M., 1907; Interne, West. Penna. Hosp., Pittsburg, 1908-1909; Asst. in Clin. Pathology, Univ. Pittsburgh, 1909-1910.—Res. Pathol., St. Francis' Hosp., Pittsburgh.

Herman Ferdinand Derge, A. B., Wisconsin, 1904; Resident House Officer, 1908-1909.—Physician, Eau Claire, Wis.

Robert Uriel Drinkard, S. B., Virginia Polytech., 1904. — Interne, Nursery and Child's Hosp., N. Y.

William Waddell Duke, Ph. B., Yale, 1904; Res. House Officer, Mass. Gen. Hosp., Boston, 1908-1910.—Physician, Kansas City, Mo.

Herbert McLean Evans, S. B., California, 1904; Med. Dept., 1904-1905; Assistant and Instructor in Anatomy, 1908-1910.—Associate.

James Thomas Flanagan, A. B., Mt. St. Mary's, 1903, and A. M., 1905; Grad. Student, 1903-1904;

Interne, Kings Co. Hosp., Brooklyn, N. Y., 1908-1910.—Physician, Brooklyn, N. Y.

James Richard Frow, A. B., Lafayette, 1904; Grad. Student, Wisconsin, Summer 1905; Interne, Wilkes-Barre City Hosp., Pa., 1908-1909.—Asst. Surg. Southern Branch Natl. Home for Disabled Volun. Soldiers, Natl. Soldiers Home, Va.

Ralph Ottomar Fuerbringer, A. B., 1904; Res. House Officer, 1908-1909.—Asst. Surg. Clinic, Univ. of Marburg.

Randolph Macon Grimm, A. B., Randolph-Macon, 1902, and A. M., 1903; Bacteriol., State Lab. Hygiene, Raleigh, N. C. (to Oct., 1908).—Asst. Surg., U. S. P. H. & M.-H. Service, Savannah, Ga.

William Edward Grove, A. B., Wisconsin, 1904; Instr. in Pharmacol., Univ. of Wisconsin, Madison, 1908-1909; Res. Phys., Clifton Spgs. Sanitarium, N. Y., 1909-1911.—Student in Berlin.

Frederick Fretageot Gundrum, A. B., Leland Stanford, 1903; Res. House Officer, 1908-1909; Dmnr. in Anat., Univ. of Pittsburgh, and Res. Surg., St. Francis' Hosp., Pittsburgh, 1909-1910.—Phys., Sacramento, Cal.

Sylvan Lewis Haas, S. B., California, 1904; Res. Pathologist, Lakeside Hosp., Cleveland, 1908-1910; Interne, Lane Hosp., 1909-1910.—Physician, San Francisco, Cal.

Frederic Moir Hanes, A. B., North Carolina, 1903; A. M., Harvard, 1904; Student, Leipzig and Freiburg, 1905-1906; Res. House Officer, 1908-1909.—Assoc. in Pathol., Coll. P. & S., Columbia, and Assoc. Vis. Pathol. Presbyterian Hosp., N. Y.

Henry Hanson, A. B., So. Dakota, 1902; Asst. Chem. Lab., 1902-1904; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Pathol. Trinity Hosp. and Assoc. Prof. Pathol., Milwaukee Med. Sch., Wis., 1908-1909; Prof. Clin. Micpy. Wis. Coll. P. & S., 1909.—Director, Bact. Lab. State Board of Health, Jacksonville, Fla.

Paul Wilberforce Harrison, A. B., Nebraska, 1905, and Med. Dept., 1903-1905; Interne, Mass. Gen. Hosp., Boston, 1908-1909.—Med. Missionary, Arabia.

William Harry Higgins, A. B., Central (Ky.), 1904; Interne, Allegheny Gen. Hosp., Pa., and Res. House Officer, 1908-1909; Asst. Res., Clifton Spgs. Sanitarium, N. Y., 1909-1911.—Instr. in Pract. of Med. Univ. Coll. of Med., Richmond, Va.

Miner Clifford Hill, S. B., Princeton, 1904; Instr. in Pathol., N. Y. Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-1909; Interne, St. Luke's Hosp, N. Y., 1909-1910. Res. Pediatrist, Bellevue Hosp., N. Y.

Charles Augustus LaMont, A. B., Yale, 1905; Interne, Hudson St. Hosp., N. Y., 1908-1910.—Pathol. Aultman Hosp. and Physician, Canton, O.

Wilbur Leslie LeCron, A. B., 1904, Student, Leipzig and Freiburg, 1905-1906; Interne, Hartford Hosp., Conn., 1908-1910.—Pathol. and Res. Surg. Columbia Hosp., and Surgeon, Milwaukee, Wis.

Edward Emanuel Lindeman, Ph. B., Yale, 1905; Act. Asst. Surg. U. S. Pub. Health and Marine Hosp. Service, N. Y. (3 mos.); Asst. in Pharmacol., Univ. Mich., Ann Arbor, 1908-1909; Director, Tampa Lab. State Board Health, Fla., 1909-1910.—House Officer, Children's Hosp., Boston.

Janvier Whitton Lindsay, A. B., Columbia, 1904.—Chief Res. Phys., Garfield Mem. Hosp., Washington, D. C.

Harry Walter Masenhimer, A. B., St. John's, 1904; Interne, Presbyterian Hosp., Pittsburg, 1908-1909.—Res. Surg., Lakeside Hosp., Cleveland.

Charles Henry May, A. B., Penna. Coll., 1904; Resident Physician, Presbyterian Hosp., Pittsburg, 1908-1909.—Physician, York, Pa.

Robert William Bainbridge Mayo, A. B., Maryland Agricult., 1903, and M. S., 1904; Supt. Gulf Coast Sanatorium, Miss., 1909-1910; Asst. Res. Church Home & Inf'y, 1910-1911.—Res. Surg. Hosp. for Women of Md.

James Alphonsus McCann, Ph. B., Brown, 1904.—Interne, R. I. Gen. Hosp., Providence.

Roy Donaldson McClure, A. B., Ohio State, 1904; Grad. Student, Prague, 1906.—House Surg, New York Hosp. (Private Patients' Bldg.), N. Y.

Patrick Joseph McDonnell, Ph. B., Wesleyan (Ct.), 1904; Interne, King's Co. Hosp. (to Oct. 15, 1908); Interne, Providence Hospital, Washington, D. C. (to Mar. 1, 1910); Asst. Res. Manhattan Maternity Hosp., N. Y. (to June 1, 1910); Asst. Res. Seaside Hosp. S. I., N. Y. (to July 1, 1910).—Physician, Tonopah, Nev.

Charles Wilson Mills, A. B., Williams, 1902; Res. House Officer, 1908-1909.—Asst. Physician, Loomis Sanatorium, Loomis, N. Y.

Warren Pearl Morrill, Ph. B., Michigan, 1898; Med. Dept. Illinois, 1904-1905; Interne, Children's Free Hosp., Detroit, 1908-1909.—Resident Physician and Supt., Sydenham Hosp., Baltimore.

Grover Cleveland Ney, A. B., Mt. St. Joseph's, 1904, and A. M., 1908.—

Med. Supt. Hebrew Hosp., Baltimore.

James Harry Oppenheimer, A. B., Harvard, 1904; Res. House Officer, 1908-1909; European Clinics, 1909-1910.—Physician, Philadelphia.

Frank Gibson Porter, A. B., 1904; Pathol., Dr. Brown's Private Hosp., and Asst. Pathol. Mountainside Hosp., Montclair, N. J., 1908-1909. — Baltimore. (*Degree granted March* 1, 1909.)

Robert Sheffey Preston, A. B., Hampden-Sidney, 1903; A. M., Princeton, 1904.—Interne, Bellevue Hosp., N. Y.

Frederick Sylvanus Ray, S. B., California, 1904; Res. House Officer, 1908-1909; Asst. Res. Surgeon and Externe in Gynecol., 1909-1911.—Physician, Los Angeles, Cal.

Lillian Emeline Ray, A. B., Leland Stanford, 1897, and A. M., 1901; Interne, The Hosp. for Women and Children, Syracuse, N. Y., 1908-1909; Interne, Rochester State Hosp., N. Y., 1909.—Physician, San Jose, Cal.

Alfred Joseph Ridges, Jr., S. B., Utah, 1900.—Physician, Salt Lake City, Utah.

Hamilton Rinde, A. B., N. Dakota, 1902.—Asst. Phys., Conn. Hosp. for Insane, Middletown.

James Lee Robinson, A. B., Texas, 1904; Summer Session, Harvard Med. Sch., 1906; Res. Pathol., Mass. State Hosp., Summer, 1908; Res. House Officer, 1908-1909; Surg. Roanoke Rapids (N. C.) Mills Co., 1909; Contract Surg., U. S. Army, 1910; 1st Lt. Med. Reserve Corps, U. S. Army, and Army Med. Sch., Washington, D. C., 1910-1911. — 1st Lt. Med. Corps, U. S. Army, San Antonio, Texas.

James Isaac Scarborough, A. B., Princeton, 1904. — Res. Surg., Union Protestant Infirmary, Baltimore.

Laurence Selling, A. B., Yale, 1904; Res. House Officer, 1908-1909; Fellow in Pathol. (Rockefeller-Grant), 1909-1910.—Europe.

Harry Philip Shugerman, A. B., Howard Coll., 1901; Columbia, 1902-1904; Interne, U. P. I., Balt. (3 mos.); Army Med. Sch., Washington, D. C., 1909-1910.—Pathol. Hillman Hosp., and Physician, Birmingham, Ala.

Roland Leighton Stacy, A. B., Dickinson, 1904, and A. M., 1907; Res. House Officer, 1908-1909; House Surg. Ogdensburg City Hosp., N. Y., 1909-1910.—Physician, Ogdensburg, N. Y.

William M. Thalhimer, S. B., Richmond, 1903; Summer sessions, Cornell, 1902 and 1903; Interne, Mt. Sinai Hospital, and Physician, N. Y., 1908-1909. — Instr. in Pathol., Univ. of Va., Charlottesville.

Albert Agnew Thomas, A. B., Indiana, 1904; Interne, Allegheny General Hosp., Pa., 1908-1909.—Physician, Linton, Ind.

Dwight Wallace Tracy, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-1909.—Physician, Hartford, Conn.

Cecil Woods Vest, S. B., Iowa Coll., 1904; Externe in Gynecol., 1908-1909; Asst., Dr. Kelly's Sanitarium, 1909-1910.—Asst. Res. Gynecol.

James Homer Wilson, Ph. B., Lafayette, 1904; Interne, Gouverneur Hosp., N. Y., 1908-1909.—Med. Corps, U. S. Army, Washington, D. C.

Joseph Kent Worthington, A. B., Haverford, 1903; Interne, Roosevelt Hosp., N. Y., 1908-1909.—Assoc. Attend. Physician, Nassau Hosp., and Physician, Roslyn, L. I. (63)

1909

Charles Robert Austrian, A. B., 1904; Resident House Officer, 1909-1910.—Asst. in Medicine and Asst. Res. Physician in Chg. Lab., Phipps Disp.

Walter Albert Baetjer, A. B., 1905; Resident House Officer, 1909-1910; Asst. in Medicine and Asst. Res. Physician, 1910-1911.—Res. Phys. City Hosp., Bay View.

James Alvin Bass, A. B., 1905.—Asst. Surg., Flagship "New York," Asiatic Sta., via San Francisco, U. S. Navy.

Julian Lee Birdsong, S. B., Nashville, 1899. — Interne, Hartford Hosp., Conn.

Samuel Walthall Budd, A. B., Hampden-Sidney, 1904; Graduate Student, 1904-1905; Resident House Officer, 1909-1910.—Phys., Petersburg, Va.

Montrose Thomas Burrows, A. B., Kansas, 1905.—Asst. Rockefeller Inst. for Med. Research, N. Y.

Bender Zelotes Cashman, A. B., Pennsylvania Coll., 1905; Interne, West Penna. Hosp., Pittsburgh, 1909-1910.—Res. Surg., St. Francis' Hosp., Pittsburgh.

Arthur Bond Cecil, A. B., St. John's, 1905.—Asst. Surg., U. S. Navy, Washington.

Florence Chapman Child, A. B., Bryn Mawr, 1905; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1909-1910.—Interne, Babies' Hosp., N. Y.

Thomas Patrick Coan, A. B., Mt. St. Joseph, 1903; Interne, St. Francis' Hosp., N. Y. (*Degree granted March* 7, 1910.)

Walter Francis Cole, S. B., Clemson, 1902; A. B., North Carolina, 1905; Surgeon, Greensboro, N. C.

Harry Lewis Connett, Ph. B., Ohio Univ., 1905.—Physician, Dr. Hyde's Private Hosp., Nelsonville, O.

Ernest Cooper, A. B., South Carolina, 1900; Pathol. and Bact., State Hosp. for Insane, and Physician, Columbia, S. C. (*Degree granted January* 3, 1910.)

Jennings Crawford, Ph. B., Coe, 1905; Interne, Hartford Hosp., Conn., 1909-1911.—Physician, Cedar Rapids, Ia.

James Watson Williams Dimon, A. B., Williams, 1905; House Physician, Faxton Hosp., Utica, N. Y., 1909-1910.—Physician, Utica, N. Y.

John Roscoe Elliott, A. B., Western Maryland, 1905.—Interne, R. I. Genl. Hosp., Providence.

Max Emmert, A. B., Iowa, 1905.—Physician, Atlantic, Ia.

Charles Rhein Essick, A. B., Yale, 1905; Asst. in Anat., 1909-1910.—Instr. in Anatomy.

William Lawrence Estes, Jr., A. B., Lehigh, 1905; Resident House Officer, 1909-1910.—Asst. in Mayo Clinic, Rochester, Minn.

Thomas Ludlow Ferenbaugh, A. B., Kenyon, 1905.—1st Lieut. Med. Corps, U. S. Army, Fort Des Moines, Ia.

Arthur Oscar Fisher, A. B., Wisconsin, 1905; Resident House Officer, 1909-1910.—Asst. Res. Surgeon.

H. Quigg Fletcher, A. B., Georgia, 1904; Resident House Officer, 1909-1910. — Asst. Res. Surg., U. P. I.

Ernest Robert Gentry, A. B., Kansas, 1905, and Med. Dept., 1905-1906; Army Med. Sch., Washington, D. C., 1909-1910; Lab. Surg. Gen. Office, Wash., Summer, 1910.—1st Lieut. Med. Corps, U. S. Army, Ft. Leavenworth, Kans.

Ethel Mathews Girdwood (Mrs. George Peirce), A. B., Bryn Mawr, 1903.—Interne, N. Y. Infirmary for Women and Children, N. Y., 1909.—Europe.

Emil Goetsch, S. B., Chicago, 1903, and Ph. D., 1906; Fellow, Asst. and Assoc. in Anat., *ibid*, 1904-1908; Research Asst., Dept. of Exp. Therapeut., *ibid*, 1908 and 1909; Assistant in Surg. (H. L.), 1909-1910.—Asst. Res. Surgeon.

William Ernest Hart, S. B., Washington & Jefferson, 1905.—House Gynecol., Roosevelt Hosp., N. Y.

Thomas William Harvey, Jr., S. B., Princeton, 1905; Interne, Presbyterian Hosp., N. Y.—Surg. N. Y. Lying-in Hosp. (to Jan., 1912).—Physician, Orange, N. J.

Philip Charles Jeans, A. B., Kansas, 1904; Interne, Hartford Hospital, Conn., 1909-1910; Interne, Children's Hosp., Boston, 1910-1911.—Interne, Boston, Floating Hosp. (to Sept., 1911.)

Charles Rawson Kingsley, Jr., S. B., New York Univ., 1905; Resident House Officer, 1909-1910.—Physician, West New Brighton, N. Y.

Baldwin Mann, A. B., Williams, 1905; House Officer, N. Y. City Hosp., 1909-1910.—Bact., Roosevelt Hosp., and Physician, N. Y. City.

Fred Marlin Meader, S. B., Wesleyan (Conn.), 1902, and M. S., 1905.—Asst. Prof. of Pathol. and Bacteriol., Med. Dept. Univ. Syracuse, N. Y.; City Med. Research Officer, and Physician, Syracuse, N. Y.

Philip Ball Moss, S. B., Central (Ky.), 1905; Interne, Union Prot. Infirmary, 1909-1910. — State Pathol., Montgomery, Ala.

James B. Murphy, S. B., North Carolina, 1905; Med. Interne, Pathological Inst., Ward's Is., N. Y., 1909-1910.—Asst. in Path., The Rock. Inst. for Med. Res., New York.

Patrick Ireland Nixon, A. B., Texas, 1905; Resident House Officer, 1909-1910; Asst. Res. Surg., 1910-1911. — Surgeon, San Antonio, Texas.

George Rupp Pretz., S. B., Penna. Coll., 1905, and M. S., 1908.—Physician, Lebanon, Pa.

Solomon W. Schaefer, A. B., Washington & Lee, 1904; Resident House Officer, 1909-1910.—Physician, Portland, Ore.

Andrew Watson Sellards, A. B., Kansas, 1903, and A. M., 1904.—Instr. Tropical Med. and Asst. Res. Phys., Philippine Genl. Hosp., and Asst. to Bureau of Science, Manila, P. I.

Thomas Peck Sprunt, A. B., Davidson, 1903; Asst. in Pathol., 1909-1910.—Instr. in Pathology.

James Russell Stewart, A. B., Lake Forest, 1905.—Interne, New Haven Hosp., Conn.

Edward Wentz Stick, A. B., Franklin & Marshall, 1904; House Officer, M. E. Hospital, Philadelphia, 1909-1910; Chief Res. Phys. Kensington Hosp. for Diseases of Women, Phila., 1910-1911.—Physician, Hanover, Pa.

Herbert Sedgefield Thomson, S. B., California, 1904.—House Officer, New York Hospital, N. Y.

*Julia Maria Torrey, A. B., Boston Univ., 1888; Med. Student, Michigan, 2 years; Interne, N. Y. Infirmary for Women and Children, Jan. to May, 1911. (*Degree granted January* 3, 1910.) (Died May, 1911.)

*Charles Edward Trotter, S. B., N. C. Coll. Agricult. & Mechanic Arts 1903; Grad. Student, 1904-1905.—Act. Asst. Surg., U. S. Navy. (*Drowned August*, 1909.)

Robert Lester Waite, Ph. B., Yale, 1905; Interne, the Hartford Hosp. (Summer of 1908); Clin. Asst. South Balt. Eye, Ear and Throat Charity Hosp., 1909-1910. —Asst. Ophthalmic and Aural Surg., Hartford Hospital, and Physician, Hartford, Conn.

Isaac Chandler Walker, A. B., 1905; Med. House Officer, Carney Hosp., Boston, 1909-1911. — Lecturer, Clin. Micpy. and Phys. Diag., Univ. of Ia., Iowa City.

William Glenn Wallace, S. B., Hanover, 1905; Interne, New Haven Hosp., Conn., 1909-1911.—Physician, Mattoon, Ill.

Duncan Cameron Walton, A. B., St. John's, 1905.—Asst. Surg., U. S. Navy, U. S. S. Scorpion, Constantinople, Turkey.

Leon Harlan Watkins, A. B., Southern, 1903, and A. M., 1905; Resident House Officer, 1909-1910.—Asst. Res. Gynecol.

Charles Wallace Webb, S. B., Arkansas, 1905; Resident House Officer, 1909-1910. — Res. Surg. Clifton Spgs. Sanitarium, N. Y.

Arthur James Wiesender, A. B., Ripon, 1905; Resident House Officer, 1909-1910.—Physician, Green Lake, Wis.

Gustav Herman Woltereck, A. B., 1905; Asst. Phys., Balt. City Jail, 1909-1910.—Asst. Physician, Maryland Penitentiary and Physician, Baltimore.

Walter Simrall Wyatt, S. B., Alabama, 1904, and M. S., 1905; Med. Interne, Lakeside Hosp., Cleveland, 1909-1911.—House Officer, Boston City Hosp., Boston.

Iva Catherine Youmans, A. B., Converse, 1897; N. Y. Univ. Summer Sch., 1904; Interne, N. Y. Infirmary for Women and Children, 1909-1910.—Asst. Bacteriologist State Bd. Health, Jacksonville, Fla.

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1910

Mary Dayton Allen, A. B., Mt. Holyoke, 1905; Resident House Officer, 1910-1911.—Res. Physician, The Woman's Hospital, Hamadan, Persia.

Edward McPherson Armstrong, A. B., Princeton, 1904 Rhodes Scholar, Oxford, 1905-1908, and B. Sc., 1908.—Surg. House Officer, New York Hospital.

Moses Haven Baker, S. B., Purdue, 1905.—Interne, St. Francis' Hospital, Pittsburgh.

Henry Gray Barbour, A. B., Trinity (Conn.), 1906; Fellow in Pathology, 1910-1911.—Research Student, Freiburg, Germany.

Emil Boehm, S. B., St. Louis University, 1906.—Interne, Bellevue Hospital, N. Y.

William Symington Bole, S. B., Montana Agricult., 1906.—Physician, Great Falls, Mont.

Carl Ferdinand Bookwalter, S. B., Purdue, 1900.—Res. Surg. N. Y. Eye and Ear Infirmary, N. Y.

Ethan Flagg Butler, A. B., Princeton, 1906; Volun. Med. Asst. Labrador Med. Mission, Summers 1908, 1909 and 1910.—Interne, Mayo Clinic, Rochester, Minn.

Walter Austin Calihan, A. B., Rochester, 1906.—Asst. Res. Surgeon, St. Agnes' Hospital.

Ross Stagg Carter, A. B., Leland Stanford Jr., 1905. — Physician, San Diego, Cal.

Thomas Rodney Chambers, A. B., 1906.—Interne, Mercy Hospital.

Joseph Lynn Choate, A. B., Leland Stanford Jr., 1906; A. M., Southern Calif., 1907, and Med. Student, 1906-1908; Cooper Medical Coll., 1907.—Inst'r. Med. Dept. Univ. Southern California, Los Angeles.

Claude Carr Cody, Jr., A. B., and A. M., Southwestern, 1904, and 1905; Student of Medicine, 1905-1907.—Interne, Bellevue Hospital, New York.

Haskett Lynch Conner, A. B., DePauw, 1906; Interne, Church Home and Infirmary, 1910-1911.—Physician, Corning, O.

Henry Theodore Collenburg, A. B., 1906.—Physician, Baltimore.

Henry Nicholas Costello, A. B., Yale, 1906.—Interne, Hartford Hospital, Connecticut.

Walter Edward Dandy, A. B., Missouri, 1907, and Student of Medicine, 1906-1907; Assistant in Surgery, Hunterian Laboratory, 1910-1911.—Asst. Res. Surg.

Clinton Demas Deming, A. B., Yale, 1907, and Student of Medicine, 1906-1907; Asst. in Pathol., 1910-1911.—Interne, Hartford Hosp., Hartford, Conn.

Bernard Solomon Denzer, A. B., Columbia, 1906. — Interne, The German Hosp., New York.

Thomas Alan Devan, S. B., Rutgers, 1906.—Interne, Presbyterian Hospital, New York.

Baruch Mordecai Edlavitch, A. B., 1906.—Res. Pathol. Hebrew Hospital.

Ralph Landis Engle, A. B., Lebanon Valley Coll., 1905; A. M., Yale, 1906.—Interne, Bellevue Hosp., New York.

Horace Burnett Fenton, A. B., Oregon, 1906. — Asst. Physician, County Hosp., Portland, Ore.

Edgar L. Gilcreest, A. B., Texas, 1906.—Interne, Lakeside Hospital, Cleveland.

Hyman Ginsberg, A. B., Georgia, 1906.—Interne, Lane Hospital, San Francisco.

Lemuel Whittington Gorham, A. B., Yale, 1906; Resident House Officer, 1910-1911.—Europe.

William Lawrence Grimes, S. B., North Carolina, 1906.—Asst. Res. Surg., Union Protestant Infirmary.

Crowell Clarinton Hall, Jr., A. B., Bowdoin, 1906.—Physician, Foxcroft, Me.

Runkle Fisher Hegeman, A. B., Princeton, 1906; Resident House Officer, 1910-1911. — Res. Phys. N. Y. Foundling Hosp., N. Y.

Henry Gildersleeve Jarvis, A. B., Yale, 1906.—Interne, Conn. Hosp. for the Insane, Middletown (to Jan. 1, 1911); Interne. Hartford Hospital, Conn. (after Jan., 1911.)

Albert Eugene Johann, A. B., Christian, 1906; Grad. Student, Chicago, Summer of 1906; Senior House Officer, Boston Floating Hosp. (Summer, 1911.)—Interne, Boston Children's Hospital.

Samuel Laban Ledbetter, Jr., S. B., Alabama, 1906.—Asst. Res. Surg., Lakeside Hospital, Cleveland.

Ralph Herman Major, A. B., William Jewell, 1902; Student, Leipsic, Munich and Chicago, 1904-1906; Resident House Officer, 1910-1911.—Asst. Res. Physician and Asst. in Med.

Albert Francis Mattice, S. B., South Dakota Agricult., 1904, Ph. G., Washington State Coll., 1906.—Ophthal. Clinic and Bacteriol. Research with Prof. Theo. Axenfeld, Freiburg, Germany.

Sydney Robotham Miller, S. B., New York Univ., 1905; Resident House Officer, 1910-1911.—Asst. in Medicine.

Dana Elora Monroe, A. B., Texas, 1906; Interne, Nursery & Child's Hospital, N. Y.—House Officer, Post Grad. Hosp., N. Y.

Raymond Bartlett Morris, A. B., Yale, 1907, and Student of Medicine, 1906-1907; Interne, Union Protestant Infirmary, Baltimore, 1910-1911.—Physician, Olean, N. Y.

Angus Washburn Morrison, A. B., Yale, 1906; Interne, Royal Victoria Hosp., Montreal, 1910-1911. —Europe.

Douglass Howell Morse, S. B., California, 1907, and Med. Student, 1906-1907; Resident House Officer, 1910-1911.—Clin. Path. Wash'g. Univ. Med. Sch., St. Louis, Mo.

James Craig Neel, Ph. B., Marietta, 1906; Resident House Officer, 1910-1911.—Asst. Res. Gynecol.

William Bradford Newcomb, A. B., William and Mary, 1906.—Interne, New York Hospital, N. Y.

Firmadge King Nichols, A. B., 1906. —Res. Physician, St. Agnes' Hospital; Instr. in Physiol. Coll., P. and S.

Samuel Timothy Nicholson, Jr., A. B., North Carolina, 1906; Res. Phys., Telfair Hosp. for Women, Savannah, Ga.—Jr. Visitg. Phys., Bonne Terre Hosp. and Physician, Bonne Terre, Mo.

Willey Higby Norton, A. B., Ohio, 1906.—Res. Gynecol., Lakeside Hospital, Cleveland

Thomas Grover Orr, A. B., Missouri, 1907; Student of Medicine, 1906-1907.—Interne, Kansas City Genl. Hosp., Mo. (July 1 to Jan. 1); House Officer, Hudson St. Hosp., New York.

Jean Paul Pratt, A. B., Ohio State, 1906; Resident House Officer, 1910-1911.—Asst. Res. Surg.

Chesney Macauley Ramage, S. B., West Virginia Univ., 1907.—Asst. Surg. Miners' Hosp. and Physician, Fairmont, W. Va.

Robert Lewis Rhodes, A. B., Emory, 1906.—Res. Surg. Jefferson Surg. Hosp., Roanoke, Va.

Harry Hungate Robinson, A. B., Michigan, 1907, Med. Student, 1906-1908.—House Physician, St. Elizabeth's Hosp., Elizabeth, N. J.

Walter Black Rogers, A. B., Washington and Jefferson, 1906.—Interne, St. Francis' Hospital, Pittsburgh.

Alice Rohde, S. B., Chicago, 1903.—Mary Putnam Jacobi Fellowship, Berlin, Germany.

James Wendel Rosenfeld, A. B., Leland Stanford Jr., 1906.—Asst. Physician, Kgl. Univ., Kinderklinik, Breslau.

Raymond Sanderson, S. B., Princeton, 1905.—Interne, The Sanitarium, Clifton Springs, N. Y.

Raphael Eustace Semmes, Jr., A. B., Missouri, 1907, and Student of Medicine, 1906-1907; Resident House Officer, 1910-1911.—Interne Woman's Hosp., N. Y.

Herbert Milford Seneny, A. B., Adelbert, 1906.—Interne, Milwaukee County Hosp., Wauwatosa, Wisconsin.

John William Sheetz, Ph. B., Franklin and Marshall, 1906.—Interne, St. Francis' Hosp., Pittsburg.

Henry Augustus Stephenson, A. B., Randolph-Macon, 1906; Resident House Officer, 1910-1911.—Asst. Res. Obstetrician and Asst. in Obstetrics.

Howard Lester Taylor, A. B., Oberlin, 1906.—Res. Physician, Lakeside Hospital, Cleveland.

William Lawson Thornton, S. B., Alabama Polytech., 1903; Interne, Union Protestant Infirmary, 1910-1911.—Physician, Talladega, Ala.

Thomas Palmer Tredway, A. B., Western Maryland, 1906; Interne, Adrian Hospital, Punxsutawney, Pa., 1910-1911.—Physician, Erie, Pa.

Arthur deTalma Valk, A. B., St. John's, 1906, M. A., 1911; Resident House Officer, 1910-1911.—Res. Surg. Kernan Hosp. for Crippled Children.

Herbert Francis Vanorden, Ph. B., Yale, 1907, and Student of Medi-

cine, 1906-1907; Interne, Kansas City General Hospital, Mo., 1910-1911.—Physician, Kansas City, Mo.

Clyde Emil Watson, S. B., West Virginia, 1905; Interne, The Samuel Merritt Hosp., Oakland, Cal, 1910. —Asst. Prof. Anat. and Path., West Virginia Univ., and Physician, Morgantown, W. Va.

Helen Watson, A. B., Wellesley, 1905; Resident House Officer, 1910-1911.—Asst. Res. Physician and Asst. in Medicine.

Milton Weinberg, A. B., South Carolina, 1906.—Asst. Dir. Rural Sanitation for So. Carolina, Manning.

Theodore Henry Wenning, A. B., St. Xavier, 1904; Grad. Student, Cincinnati, 1904-1906. — Interne, Roosevelt Hospital, N. Y.

Miley Barton Wesson, Jr., S. B., Texas, 1902.—Interne, Hudson St. Hospital, N. Y.

James Harvey Whitcraft, S. B., Wooster, 1905.—Interne, Kansas City Hospital, Mo. (after Jan. 1, 1911.)

Luke V. Zartman, A. B., Ohio State, 1906; Interne, Hospital for Women of Maryland, Baltimore; Act'g Asst. Res., J. H. H., 1910-1911.—Asst. Res. Church Home & Infirmary.

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1911

Lester Adams, A. B., Bowdoin, 1907. —Interne, St. Francis' Hospital, Pittsburgh, Pa.

Cary Fink de Angulo, A. B., Vassar, 1906.—Student, Harvard.

John Van Doren Bedinger, S. B., Princeton, 1907.—Interne, Bellevue Hosp., New York.

Walter Scott Bennett, A. B., Colgate, 1904.—Interne, Norwegian Hosp., Brooklyn, N. Y.

William Edwin Bird, Jr., A. B., 1907.—Asst. Res. Surg., St. Agnes' Hosp., Baltimore.

Arthur Leonard Bloomfield, A. B., 1907.—Resident House Officer.

John Rochester Booth, A. B., Randolph - Macon, 1907. — Interne, Bellevue Hosp., New York.

George Edward Brockway, Jr., A. B., Williams, 1907; Summer Session, Cornell, 1907. — Interne, King's Co. Hosp., Brooklyn, N. Y.

Barney Brooks, S. B., Univ. of Texas, 1905.—Resident House Officer.

Earle Buell Carter, Ph. B., Yale, 1907.—Interne, Norwegian Hosp., Brooklyn, N. Y.

Joseph David Cohn, A. B., Univ. of Texas., 1907. — Visiting Physician, Spohn Sanitarium, Corpus Christi, Texas.

John Collinson, Jr., A. B., St. John's, 1907. — Interne, James Walker Memorial Hosp., Wilmington, N. C.

John Archibald Campbell Colston, Ph. B., Yale, 1907. — Resident House Officer.

Melton Downie Council, Ph. B., Emory, 1905.—Interne, Jefferson Surgical Hosp., Roanoke, Va.

Francis Randolph Crawford, A. B., Washington and Lee, 1906. — Interne, St. Francis' Hosp., Pittsburgh, Pa.

David Melvin Davis, S. B., Princeton, 1907.—Interne, City Hosp., Bay View.

William Thomas De Sautelle, A. B., Wisconsin, 1908, and Student of Medicine, 1907 - 1908. — Interne, Harlem Hosp., New York.

William Milas Dunn, A. B., Davidson, 1903; Summer Session, Columbia, 1907. — House Officer, Massachusetts General Hosp., Boston.

Ralph Henry Dunning, A. B., Yale, 1907.—Interne, Hosp. for Women and Children, Syracuse, N. Y.

Hiram Fried, A. B., 1907.—Interne, City Hosp., Bay View.

William Archibald Frontz, A. B., Princeton, 1907.—Resident House Officer.

William Dixon Fullerton, Ph. B., Yale, 1907. — Gynecological Interne, Lakeside Hosp., Cleveland, O.

Hiram Mary Gallagher, A. B., Catholic Univ. of America, 1907; Summer Session, Univ. of Chicago, 1907.—Interne, St. Francis Hosp., New York.

Thomas Henry Gilland, Ph. B., Lafayette, 1907.—Interne, Jefferson Surgical Hosp., Roanoke, Va.

Ernest Owsley Grant, A. B., Central Univ. of Ky., 1907.—Interne, Lakeside Hosp., Cleveland, O.

Ernest George Grey, A. B., Wisconsin, 1907, and Student of Medicine, 1907-1908.—Resident House Officer.

Elmer Chester Gross, B. L., Whitman College, 1906.—Resident Physician, Seattle General Hosp., Seattle, Wash.

Roy Wallace Hammack, A. B., Univ. of Oregon, 1907.—Instructor in Pathology and Bacteriology, Coll. of Medicine and Surgery, University of the Philippines, Manila.

Clifford Clinton Hartman, S. B., Pennsylvania College, 1907.—Interne, St. Francis' Hosp., Pittsburgh, Pa.

William Hall Hawkins, A. B., Central Univ. of Ky., 1906; Student, Hosp. Coll. of Medicine, 1906-1907.—Interne, Bellevue Hosp., New York.

Ernest Singleton Hendry, A. B., 1907.—Interne, Union Protestant Infirmary, Baltimore.

William Brawner Hetfield, A. B., Catholic Univ. of America, 1907.—Interne, Brooklyn Hosp., New York.

Anna Hubert, A. B., Univ. of Washington, 1901, and A. M., 1904.—Resident House Officer.

William Rutledge Hudson, A. B., Washington and Lee Univ., 1906.—Interne, Hosp. for Women of Maryland, Baltimore.

John Atkinson Hunnicutt, Jr., A. B., Univ. of Georgia, 1907.—Interne, Lakeside Hosp., Cleveland, O.

Barbara Hunt, A. B., Vassar, 1906; Univ. of Maine, Summer Sch., 1907.—Interne, New York Infirmary for Women and Children, New York.

George Ives, A. B., Wisconsin, 1907; Med. Student, Univs. of Chicago and Wisconsin, 1907-1909.—Asst. State Bacteriologist, Montgomery, Ala.

Conrad Jacobson, S. B., Beloit, 1900; Grad. Student, Chicago, three summer qrs.—Assistant in Surgery, Hunterian Laboratory.

Nancy Blanche Jenison, A. B., Wells, 1898; Grad. Student, Chicago, 1907.—Interne, New York Infirmary for Women and Children, New York.

Charles Chauncey Winsor Judd, A. B., Kenyon Coll., 1907. — Interne, Union Protestant Infirmary, Baltimore.

Norman Macdonnell Keith, A. B., Toronto, 1908, and Medical Student, 1906-1908. — Interne, New York Hosp., New York.

Lloyd Warren Ketron, A. B., Grant Univ., 1907.—Asst. in Dermatol. Disp.

Tedrow Sylvester Keyser, A. B., Wittenberg, 1907.—Interne, Lakeside Hosp., Cleveland, O.

Oliver Kinsey, Jr., A. B., Virginia, 1907, and Medical Student, 1907-1909.—Interne, Church Home and Infirmary, Baltimore.

Arthur Charles Kissling, A. B., Wisconsin, 1906, and Medical Student, 1907 - 1909. — Interne, Jefferson Surgical Hosp., Roanoke, Va.

Benjamin Schönbrun Kline, A. B., Swarthmore, 1907.—Interne, City Hosp., Bay View.

Howard James Knott, S. B., Whitman Coll., 1907.—Resident Physician, Seattle General Hosp., Seattle, Wash.

Linda Bartels Lang, A. B., Bryn Mawr, 1903.—Interne, New York Infirmary for Women and Children, New York.

Warren Eugene Leaper, A. B., Wisconsin, 1908, and Student of Medicine, 1907-1908. — Interne, Rhode Island Hosp., Providence, R. I.

Veader Newton Leonard, Ph. B., Yale, 1907; Student, Univ. of Freiburg, 1907 - 1908. — Resident House Officer.

William Henry Licht, S. B., Trinity Coll. (Hartford), 1907.—Interne, Hartford Hosp., Hartford, Conn.

Hans Lisser, A. B., California, 1907. Resident House Officer.

Drew William Luten, A. B., Kentucky State Univ., 1901; Fellow, Vanderbilt Univ., 1903-1904.—Interne, St. Francis Hosp., Pittsburgh, Pa.

John Thomson MacCurdy, A. B., Toronto, 1908, and Student of Medicine, 1906-1908.—Fellow in Pathology.

Herbert Lee McNeil, A. B., Southwestern Univ., 1906; Grad. Student, Univ. of Texas, 1906-1907.—Interne, St. Agnes' Hosp., Baltimore.

Monroe A. Maas, A. B., Univ. of Alabama, 1907.—Interne, Church Home and Infirmary, Baltimore.

Charles Goodwin Merriam, A. B., Yale, 1907.—Lexington, Mass.

James Raglan Miller, A. B., Yale, 1907.—Voluntarärzt, Königl, Frauenklinik, Munich, Germany.

James Aloysius O'Donnell, A. B., Loyola, 1906; Graduate Student, 1906-1907.—Interne, St. Joseph's Hosp., Baltimore.

Ralph Sherburne Perkins, A. B., Dartmouth, 1907.—Interne, Worcester City Hosp., Worcester, Mass.

Everett Dudley Plass, A. B., Colgate, 1907.—Resident House Officer.

Caryl Ashby Potter, A. B., Missouri, 1908, and Student of Medicine, 1907 - 1908. — Interne, Roosevelt Hosp., New York.

Ira Humphrey Prouty, S. B., Dartmouth, 1907. — Interne Thomas Wilson Sanitarium for Children (summer 1911).

Arthur Samuel Rosenfeld, A. B., Leland Stanford Jr., 1907.—Interne, Mt. Sinai Hosp., New York.

Augusta Rucker, A. B., Univ. of Texas, 1896, and A. M., 1900; Med. Dept. Wisconsin, June-Oct., 1907, and May-Oct., 1908.—Interne, Babies' Hosp., New York.

Charles E. Rynd, S. B., Hamilton, 1907., and M. S., 1910.—Europe, 1911-1912; after June, 1912, Interne, King's Co. Hosp., Brooklyn, N. Y.

Dwight Milton Sawyer, Ph. B., Wesleyan (Conn.), 1906.—Glens Falls, N. Y.

Mabel Seagrave, A. B., Wellesley, 1905.—Interne, New York Infirmary for Women and Children, New York.

Walter Gresham Sexton, A. B., Wisconsin, 1908, and Student of Medicine, 1907-1908.—Resident House Officer.

Paul Rothrock Sieber, A. B., Pennsylvania Coll., 1907.—Interne, St. Francis' Hosp., Pittsburgh, Pa.

William Knepper Skilling, A. B., 1906.—Physician, Lonaconing.

Helen Williston Smith, A. B., Bryn Mawr, 1906. — Resident House Officer.

Roy Ross Snowden, A. B., Washington and Jefferson, 1907.—Interne, City Hosp., Bay View.

Lewis Cass Spencer, S. B., Tulane, 1907; Grad. Student, Albert Ludwig Univ., Freiburg, 1908-1909.—Interne, Union Protestant Infirmary, Baltimore.

Marshall Byron Sponsler, A. B., Ursinus, 1907.—Interne, St. Francis' Hosp., Pittsburgh, Pa.

Alexander McCulley Stevens, A. B., St. John's, 1907.—Easton.

George Adolph Stewart, A. B., 1907.—Interne, St. Agnes' Hosp., Baltimore.

Edgar Stillman, A. B., Leland Stanford Jr., 1907.—Interne, Bellevue Hosp., New York.

Thornton Edwin Vail, Ph. B., Yale, 1907.—Asst. Res., Elmcroft Sanitarium, Thompsonville, Conn.

Clifford Black Walker, S. B., California, 1906, and Medical Student, 1906-1909.—Asst. to Dr. Cushing.

William Joshua Weese, S. B., and A. B., Missouri, 1905, and Medical Student, 1907-1909.—Res. Phys., Santo Tomas Hosp., Panama City.

Isidore Kalisch Wiener, A. B., Princeton, 1907.—Interne, Blackwell's Island, New York.

Edwin Robert Wiese, A. B., Western Univ. of Penna., 1907.—Student, Univ. of Berne, Switzerland.

Claud May Winn, S. B., Tulane, 1906, and Student of Medicine, 1906-1907.—Pathologist and Bacteriologist, Santo Tomas Hosp., Panama City.

Julian Mast Wolfsohn, S. B., California, 1905, and M. S., 1907.—Resident House Officer. (85)

(Total, 802.)

Places of Residence and Graduates in Medicine of the Johns Hopkins University

Alabama:

Ashville, ... 1
H. W. Bass, '06.

Birmingham, ... 6
R. T. Comer, '01.
K. W. Constantine, '05.
C. E. Dowman, '05.
F. A. Lupton, '99.
E. M. Mason, '06.
H. P. Shugerman, '08.

Clayton, ... 1
N. L. Winn, '06.

Decatur, ... 1
W. W. Dinsmore, '07.

Mobile, ... 2
H. P. Cole, '06.
G. J. Winthrop, '06.

Montgomery, ... 2
G. Ives, '11.
P. B. Moss. '09.

Arizona:

Bisbee, ... 1
W. D. Cutter, '05.

Phoenix, ... 1
F. H. Redewill, '06.

Arkansas:

Hot Springs, ... 1
J. H. Chesnutt, '07.

California:

Berkeley, ... 2
C. L. Williams, '02.
G. Y. Rusk, '00.

Los Angeles, ... 8
F. C. Ainley, '06.
J. L. Choate, '10.
R. L. Cunningham, '07.
F C. Davis, '00.
R. F. Hastreiter, '01.
C. L. Magee, '99.
F. S. Ray, '08.
R. R. Rea, '06.

Mare Island, ... 1
H. L. Kelley, '07.

Palo Alto, ... 1
C. D. Mosher, '00.

Sacramento, ... 3
E. Briggs, '00.
C. M. Faris, '05.
F. F. Gundrum, '08.

San Diego, ... 1
R. S. Carter, '10.

San Jose, ... 1
L. E. Ray, '08.

San Francisco, ... 14
H. W. Allen, '00.
E. E. Brownell, '99.
A. L. Fisher, '00.
H. Ginsberg, '10.
S. L. Haas, '08.
H. Harris, '99.
G. W. Hartman, '07.
S. Hyman, '02.
A. G. Lyle, '02.
E. S. Moore (McKinney), '01.
R. Patek, '06.
M. Silverberg, '02.
J. Van Denburgh, '02.
H. I. Wiel, '05.

Stanford University, ... 1
A. W. Meyer, '05.

University of California, 1
F. P. Gay, '01.

Colorado:

Colorado Springs, ... 2
G. B. Gilbert, '07.
W. W. Williams, '99.

Denver, ... 5
F. W. Bancroft, '06.
H. S. Denison, '08.
H. G. Garwood, '04.
C. B. Ingraham, Jr., '06.
M. Long, '03.

Connecticut:

Hartford, ... 17

J. L. Birdsong, '09.
H. N. Costello, '10.
C. D. Deming, '10.
E. A. Deming, '08.
A. H. Griswold, '06.
T. N. Hepburn, '05.
H. G. Jarvis, '10.
P. C. Jeans, '09.
W. H. Licht, '11.
H. A. Martelle, '05.
H. C. Russ, '06.
G. A. Smith, '07.
W. R. Steiner, '98.
D. W. Tracy, '08.
M. B. Walker (Williams), '01.
R. L. Waite, '09.
E. A. Wells, '01.

Litchfield, ... 1

C. H. Turkington, '07.

Middletown, ... 1

H. Rinde, '08.

New Britain, ... 1

C. H. Travis, '03.

New Haven, ... 6

J. I. Butler, '01.
J. M. Flint, '00.
D. M. Lewis, '01.
R. F. Rand, '00.
H. M. Steele, '02.
J. R. Stewart, '09.

Norwich, ... 1

P. J. Cassidy, '98.

Thompsonville, ... 1

T. E. Vail, '11.

District of Columbia:

Washington, ... 23

F. M. Barnes, '07.
J. A. Bass, '09.
J. B. Briggs, '02.
A. B. Cecil, '09.
J. Dunlop, '02.
W. G. Erving, '02.
H. A. Fowler, '01.
N. D. Graham, '01.
M. Hahn, '07.
H. H. Hazen, '06.
H. M. Kaufman, '01.
A. H. Kimball, '02.
L. C. Lehr, '02.
J. W. Lindsay, '08.
E. Lootz (Erving), '02.
C. N. McBryde, '97.
J. F. Mitchell, '97.
H. P. Parker, '01.
P. Preble, '07.
E. H. Reede, '02.
W. F. M. Sowers, '00.
L. Tayler-Jones, '03.
J. H. Wilson, '08.

Florida:

Jacksonville, ... 8

G. Day, '06.
H. Hanson, '08.
G. R. Holden, '01.
E. L. Lowell (Stevens), '00.
W. S. Manning, '03.
J. H. Randolph, '04.
C P. Rogers, '02.
I. C. Youmans, '09.

Talladega, ... 1

W. L. Thornton, '10.

Georgia:

Athens, ... 1

D. H. DuPree, '07.

Atlanta, ... 6

M. L. Boyd, '07.
L. M. Gaines, '03.
J. F. Grant, '03.
J. E. Paullin, '05.
C. A. Rhodes, '07.
W. F. Shallenberger, '07.

Augusta, ... 1

W. C. Kellogg, '00.

Macon, ... 1

J. R. B. Branch, '08.

Milledgeville, ... 1

J. H. Hewitt, '06.

Savannah, ... 4

V. H. Bassett, '03.
W. R. Dancy, '00.
R. M. Grimm, '08.
W. S. Wilson, '04.

Thomson, ... 1

B. F. Riley, '03.

Hawaii:

Honolulu, ... 1

W. D. Baldwin, '01.

Illinois:

Chicago, ... 8

A. H. Beifeld, '07.
H. F. Helmholtz, '06.
G. R. Henry, '07.
L. L. Iseman, '06.
P. Kyes, '00.
F. W. Lynch, '99.
M. J. Rubel, '01.
S. Strouse, '06.

Evanston, ... 1

P. O. Owsley, '99.

Havana, ... 1

C. H. Stubenrauch, '07.

Jacksonville, ... 1
E. G. Dewey, '03.

Mattoon, ... 1
W. G. Wallace, '09.

Peoria, ... 1
J. H. Bacon, '04.

Indiana:

Anderson, ... 1
T. M. Jones, '02.

Evansville, ... 1
H. W. Little, '00.

Indianapolis, ... 4
C. P. Emerson, '99.
W. D. Gatch, '07.
E. B. Mumford, '05.
J. V. Reed, 04.

Linton, ... 1
A. A. Thomas, '08.

Petersburg, ... 1
C. S. Little, '99.

Iowa:

Atlantic, ... 1
M. Emmert, '09.

Cedar Rapids, ... 1
J. Crawford, '09.

Davenport, ... 1
J. T. Haller, '05.

Des Moines, ... 2
C. Burnside, '07.
T. L. Ferenbaugh, '09.

Independence, ... 1
C. H. Bryant, '08.

Iowa City, ... 1
J. C. Walker, '09.

Mt. Vernon, ... 1
F. F. Ebersole, '06.

Kansas:

Leavenworth, ... 2
H. D. Bloombergh, '01.
E. R. Gentry, '09.

Kentucky:

Harrodsburg 1
C. B. Van Arsdall, '02.

Lexington, ... 1
J. D. Hunt, '06.

Louisville, ... 1
J. H. Hathaway, '01.

Louisiana:

New Orleans, ... 2
R. B. Bean, '04.
J. V. Cooke, '08.

Maine:

Brewer, ... 1
E. C. McGouldrick, '04.

Foxcroft, ... 1
C. C. Hall, '10.

Portland, ... 2
W. B. Moulton, '03.
P. P. Thompson, '06.

Maryland:

Baltimore, ... 143
R. T. Abercrombie, '05.
M. T. Adkins, '07.
C. R. Austrian, '09.
W. S. Baer, '98.
F. H. Baetjer, '01.
W. A. Baetjer, '01.
J. M. Bergland, '04.
B. M. Bernheim, '05.
W. E. Bird, '11.
J. R. Blackman, '06.
A. L. Bloomfield, '11.
T. R. Boggs, '01.
B. Brooks, '11.
T. R. Brown, '97.
B. B. Browne, '02.
H. Brülle, '00.
R. M. Bruns, '02.
H. W. Buckler, '99.
C. F. Burnam, '00.
C. M. Byrnes, '06.
W. A. Calihan, '10.
D. B. Casler, '04.
T. R. Chambers, '10.
J. A. Chatard, '03.
J. W. Churchman, '02.
E. R. Clark, '07.
P. W. Clough, '07.
H. T. Collenberg, '10.
J. A. C. Colston, '11.
S. J. Crowe, '08.
W. E. Dandy, '10.
D. M. Davis, '11.
J. S. Davis, '99.
S. A. Dodds, '05.
G. C. Dohme, '02.
R. Duffy, '02.
B. M. Edlavitch, '10.
C. R. Essick, '09.
H. M. Evans, '08.
R. Fayerweather, '03.
J. S. Fischer, '03.
A. O. Fisher, '09.
W. A. Fisher, '00.
H. Q. Fletcher, '09.
R. H. Follis, '99.
W. W. Ford, '98.
H. Fried, '11.
W. A. Frontz, '11.

J. T. Geraghty, '03.
E. Goetsch, '09.
E. G. Grey, '11.
H. S. Greenbaum, '04.
W. L. Grimes, '10.
C. G. Guthrie, '07.
L. P. Hamburger, '97.
L. V. Hamman, '01.
F. Hazelhurst, '07.
E. S. Hendry, '11.
G. J. Heuer, '07.
A. D. Hirschfelder, '03.
L. K. Hirshberg, '02.
D. R. Hooker, '05.
A. Hubert, '11.
W. R. Hudson, '11.
G. L. Hunner, '97.
E. H. Hutchins, '06.
A. Keidel, '03.
J. H. King, '06.
L. W. Ketron, '11.
O. Kinsey, '11.
B. S. Kline, '11.
J. H. M. Knox, '98.
S. P. Law (Mrs. McGlannan), '07.
M. Lazenby, '03.
V. N. Leonard, '11.
E. J. Leopold, '05.
W. H. Lewis, '00.
H. Lisser, '11.
J. A. Luetcher, '99.
J. T. MacCurdy, '11.
H. L. McNeil, '11.
M. A. Maas, '11.
D. I. Macht, '06.
R. H. Major, '10.
R. W. B. Mayo, '08.
S. R. Miller, '10.
W. P. Morrill, '08.
A. H. Morse, '06.
W. L. Moss, '05.
J. C. Neel, '10.
F. K. Nichols, '10.
G. C. Ney, '08.
J. A. O'Donnell, '11.
O. B. Pancoast, '97.
W. T. Parsons, '07.
I. R. Pels, '06.
C. A. Penrose, '97.
E. L. Pessagno, '07.
E. D. Plass, '11.
J. H. Pleasants, '99.
F. G. Porter, '08.
J. P. Pratt, '10.
I. H. Prouty, '11.
A. Randall, '07.
C. M. Remsen, '04.
E. H. Richardson, '05.
S. Rosenheim, '99.
F. R. Sabin, '00.
E. P. Sandrock, '07.
J. I. Scarborough, '08.
G. B. Scholl, '02.
W. G. Sexton, '11.
F. J. Sladen, '06.
J. M. Slemons, '01.
H. W. Smith, '11.
W. H. Smith, '03.
R. R. Snowden, '11.
L. C. Spencer, '11.
T. P. Sprunt, '09.
H. A. Stephenson, '10.
G. A. Stewart, '11.
H. B. Stone, '06.
E. R. Strobel, '99.
G. L. Taneyhill, Jr., '04.
C. B. Towles, '05.
A. J. Underhill, '01.
A. de T. Valk, '10.
C. W. Vest, '08.
C. B. Walker, '11.
L. H. Watkins, '09.
H. Watson, '10.
J. M. West, '01.
G. H. Whiple, '05.
A. H. Whitridge, '98.
D. Williams, '02.
M. C. Winternitz, '07.
J. M. Wolfsohn, '11.
S. Wolman, '06.
G. H. Woltereck, '09.
L. V. Zartman, '10.

Easton, ... 1

A. M. Stevens, '11.

Hagerstown, ... 1

P. Wroth, '06.

Lonaconing, ... 1

W. K. Skilling, '11.

Princess Anne, ... 1

H. M. Lankford, '05.

Sanatorium, ... 1

V. F. Cullen, '06.

Towson, ... 1

C. B. Farrar, '00.

Massachusetts:

Arlington, ... 1

H. R. Webb, '06.

Boston, ... 18

C. F. de Angulo, '11.
E. B. Beasley, '06.
L. H. Burlingham, '06.
H. A. Christian, '00.
F. A. Coughlin, '08.
W. M. Dunn, '11.
E. Hale (Swift), '05.
G. W. Hall, '01.
A. E. Johann, '10.
E. E. Lindeman, '08.
H. W. Marshall, '04.
M. E. Morse, '03.
J. H. Pratt, '98.
L. J. Rhea, '05.
S. Rushmore, '02.
W. L. Thompson, '04.
F. H. Verhoef, '99.
W. S. Wyatt, '09.

Brookline, ... 1

H. T. Hutchins, '03.

Cambridge, ... 3

M. F. Austin (Southard), '00.
H. L. Langnecker, '06.
E. H. Schorer, '06.

Dorchester, ... 1

H. G. Myrick, '00.

Fall River, ... 2
E. S. Chace (Herbert), '01.
M. W. Marvel, '00.

Greenfield, ... 1
W. K. Clarke, '08.

Hathorne, ... 1
W. B. Cornell, '03.

Lexington, ... 1
C. G. Merriam, '11.

New Bedford, ... 1
G. Marsden, '06.

Rehoboth, ... 1
M. S. Packard, '97.

Salem, ... 1
E. K. Burbeck, '07.

Waltham, ... 1
O. L. Dascombe, '05.

Worcester, ... 1
R. S. Perkins, '11.

Weston, ... 1
A. M. Ballou (Eliot), '05.

Michigan:

Ann Arbor, ... 2
A. W. Hewlett, '00.
P. M. Dawson, '98.

Detroit, ... 7
J. R. Carr, '04.
G. L. Conner, '01.
R. Conner, '01.
N. S. Ferry, '02.
C. R. Meloy, '06.
B. R. Schenck, '98.
H. N. Torrey, '06.

Kalamazoo, ... 2
F. Y. Cronk, '07.
B. N. Epler, '99.

Minnesota:

Ceylon, ... 1
R. T. Edwards, '04.

Duluth, ... 2
A. L. McDonald, '05.
J. A. Winter, '06.

Fergus Falls, ... 1
K. J. Lee, '04.

Keewatin, ... 1
C. F. Carstens, '08.

Minneapolis, ... 6
H. W. Cook, '02.
E. L. Crispin, '06.
M. P. Sims (Ulrich), '01.
C. N. Spratt, '01.
H. L. Ulrich, '01.
C. B. Wright, '02.

Rochester, ... 4
E. F. Butler, '10.
W. L. Estes, '09.
H. Z. Griffin, '04.
W. C. McCarty, '04.

St. Paul, ... 1
L. D. Bristol, '07.

Missouri:

Bonne Terre, ... 1
S. T. Nicholson, '10.

Columbia, ... 2
W. J. Calvert, '98.
D. H. Dolley, '02.

Kansas City, ... 3
W. W. Duke, '08.
H. F. Van Orden, '10.
J. H. Whitcraft, '10.

St. Louis, ... 13
L. K. Baldauf, '05.
J. S. Brotherhood, '08.
W. M. C. Bryan, '02.
J. R. Caulk, '06.
G. S. Drake, '01.
J. Erlanger, '99.
M. A. Frankenthal, '02.
R. Hopkins, '03.
D. H. Morse, '10.
E. L. Opie, '97.
E. Sachs, '04.
J. C. Salter, '01.
H. J. Storrs, '04.

Montana:

Butte, ... 2
C. H. Horst, '02.
A. Karsted, '02.

Great Falls, ... 1
W. S. Bole, '10.

Nebraska:

Omaha, ... 1
M. Langfeld, '98.

Nevada:

Tonopah, ... 1
P. J. McDonnell, '08.

New Jersey:

Elizabeth, ... 1
H. H. Robinson, '10.

Franklin Furnace, ... 1
F. P. Wilbur, '06.

Montclair, ... 1
F. G. Porter, '08.

Orange, ... 4
C. T. Brown, '07.
T. W. Harvey, '09.
K. Porter, '98.
E. N. Riggins, '02.

Roselle, ... 1
E. H. Blauvelt, '03.

New York:

Albany, ... 5
J. M. Berry, '01.
A. W. Elting, '98.
C. D. Partridge, '07.
J. A. Sampson, '99.
C. K. Winne, '01.

Auburn, ... 1
H. I. Davenport, '05.

Binghamton, ... 1
M. J. Ross, '07.

Brooklyn, ... 11
W. S. Bennett, '11.
G. E. Brockway, '11.
E. B. Carter, '11.
J. T. Flanagan, '08.
H. L. Gray, '06.
L. A. Lynch, '03.
W. H. Maddren, '01.
R. E. Moore, '06.
J. F. Morrison, '04.
C. E. Rynd, '11.
B. E. Wolfort, '06.

Buffalo, ... 10
H. Adsit, '06.
A. H. Clark, '03.
T. W. Clarke, '02.
W. H. Glenny, '02.
F. C. Goldsborough, '03.
A. E. Lee, '06.
J. S. Lewis, '06.
I. P. Lyon, '97.
J. S. McFarland, '02.
G. T. Tyler, '04.

Clifton Springs, ... 2
R. Sanderson, '10.
C. W. Webb, '09.

Cortland, ... 1
R. P. Higgins, '05.

Glens Falls, ... 2
M. L. Haviland, '02.
D. M. Sawyer, '11.

Governor's Island, ... 1
H. Beeuwkes, '06.

Liberty, ... 1
H. B. Neagle, '03.

Loomis, ... 1
C. W. Mills, '08.

Long Island City, ... 1
S. A. Marshall, '02.

Madison Barracks, ... 1
E. C. Hill, '07.

New Brighton, ... 1
C. R. Kingsley, '09.

New Rochelle, ... 2
O. H. Schell, '04.
F. Schmitter, '03.

New York City, ... 82
V. B. Appleton, '06.
E. M. Armstrong, '10.
J. Auer, '02.
J. V. Bedinger, '11.
E. Boehm, '10.
P. M. Bogart (Mrs. Van Voast), '06.
C. F. Bookwalter, '10.
J. R. Booth, '11.
C. T. Brown, '07.
M. T. Burrows, '09.
F. C. Child, '09.
A. S. Chittenden, '00.
T. P. Coan, '09.
C. C. Cody, Jr., '10.
T. H. Coffin, '06.
R. I. Cole, '99.
E. V. Coolahan, '08.
B. S. Denzer, '10.
W. T. DeSautelle, '11.
T. A. Devan, '10.
A. R. Dochez, '07.
R. U. Drinkard, '08.
R. L. Engle, '10.
N. B. Foster, '02.
H. M. Gallagher, '11.
F. M. Hanes, '08.
W. E. Hart, '09.
T. W. Hastings, '98.
W. H. Hawkins, '11.
R. F. Hegeman, '10.
W. P. Healy, '00.
R. W. Hellenbrand, '07.
E. S. Hellweg, '07.
J. Hemenway (Mrs. J. H. Kenyon), '04.
W. B. Hetfield, '11.
M. C. Hill, '08.
J. M. Hitzrot, '01.
J. G. Hopkins, '07.
B. Hunt, '11.
N. B. Jenison, '11.
N. M. Keith, '11.
W. E. H. Krechting, '06.
L. B. Lange, '11.
G. U. Light, '98.
H. D. Long, '03.
W. T. Longcope, '01.
W. G. MacCallum, '97.
B. Mann, '09.
W. H. Manwaring, '04.
R. D. McClure, '08.
C. Meltzer (Auer), '00.
D. E. Monroe, '10.
J. B. Murphy, '09.
W. B. Newcomb, '10.
T. G. Orr, '10.
C. A. Potter, '11.
R. S. Preston, '08.

S. I. Rainforth, '03.
C. Ricksher, '05.
C. W. Riley, '07.
G. C. Robinson, '03.
A. S. Rosenfeld, '11.
F. P. Rous, '05.
A. Rucker, '11.
O. M. Schloss, '05.
M. Seagrave, '11.
R. L. Stacy, '08.
A. R. Stevens, '03.
E. Stillman, '11.
H. R. Stone, '04.
H. R. Stone, '04.
B. T. Terry, '04.
H. C. Thacher, '06.
H. S. Thomson, '09.
E. E. Walker, '98.
G. W. Warren, '01.
M. Warren, '00.
T. H. Wenning, '10.
M. B. Wesson, '10.
J. K. Wiener, '11.
U. J. Wile, '07.

Olean, ... 1
R. B. Morris, '10.

Otisville, ... 1
W. H. White, '07.

Port Chester, ... 1
G. Sands, '98.

Rochester, ... 5
S. J. Appelbaum, '08.
C. W. Hennington, '06.
C. L. Hincher, '07.
N. G. Orchard, '07.
H. S. Schumacher, '07.

Roslyn, L. I., ... 1
J. K. Worthington, '08.

Saranac Lake, ... 3
L. Brown, '00.
A. K. Krause, '07.
J. L. Nichols, '97.

Schaghticoke, ... 1
A. E. Beale, '00.

Syracuse, ... 4
R. H. Dunning, '11.
A. Dutcher, '01.
F. M. Meader, '09.
H. S. Steensland, '99.

Troy, ... 2
H. W. Carey, '01.
H. P. Sawyer, '06.

Utica, ... 4
F. H. Church, '06.
J. W. W. Dimon, '09.
F. R. Ford, '05.
F. T. Owens, '07.

West Haverstraw, ... 1
O. H. Cobb, '06.

West Point, ... 1
C. D. Cowles, '05.

Yonkers, ... 2
R. B. Scofield, '07.
W. J. Vogeler, '04.

North Carolina:

Asheville, ... 1
F. W. Griffith, '06.

Chapel Hill, ... 1
W. H. Brown, '07.

Charlotte, ... 1
A. G. Brenizer, '08.

Greensboro, ... 1
W. F. Cole, '09.

Laurinburg, ... 1
R. Duffy, '02.

Raleigh, ... 1
C. A. Shore, '07.

Salisbury, ... 1
J. A. Caldwell, '04.

Wilmington, ... 4
J. Akerman, '00.
J. Collinson, '11.
R. B. Seem, '06.
R. B. Slocum, '05.

Winston-Salem, ... 1
E. P. Gray, '06.

North Dakota:

Fargo, ... 1
M. P. Rindlaub, '05.

Willow City, ... 1
H. L. Youtz, '05.

Ohio:

Canton, ... 1
C. A. LaMont, '08.

Cincinnati, ... 5
W. F. Jelke, '02.
E. F. Malone, '07.
M. E. Nast (Wherry), '06.
W. O. Pauli, '07.
P. G. Woolley, '00.

Cleveland, ... 18
M. B. Bonta, '04.
W. D. Fullerton, '11.
E. L. Gilcreest, '10.
E. O. Grant, '11.
H. Hempstead, '05.
J. A. Hunnicutt, '11.
T. S. Keyser, '11.

L. W. Ladd, '99.
S. L. Ledbetter, '10.
D. Marine, '05.
H. W. Masenhimer, '08.
W. H. Norton, '10.
R. G. Perkins, '98.
O. T. Schultz, '03.
H. G. Sloan, '06.
J. T. Smith, '07.
C. W. Stone, '05.
H. L. Taylor, '10.

Columbus, ... 1
J. J. Coons, '02.

Corning, ... 1
H. L. Conner, '10.

Jamestown, ... 1
C. L. Jones, '03.

Macedonia, ... 1
H. Dudley, '03.

Nelsonville, ... 1
H. L. Connett, '09.

Oxford, ... 1
H. M. Moore, '99.

Toledo, ... 3
L. F. Smead, '05.
C. G. Souder, '07.
A. L. Steinfeld, '01.

Youngstown, ... 1
H. C. Evans, '00.

Oregon:

Portland, ... 4
H. B. Fenton, '10.
J. F. Ortschild, '06.
S. W. Schaefer, '09.
O. B. Wight, '02.

Panama:

Ancon, ... 1
A. B. Herrick, '98.

Bocas de Toro, ... 1
R. D. Clarke, '08.

Cristobal, ... 1
W. V. Brem, '04.

Panama City, ... 2
W. J. Weese, '11.
C. M. Winn, '11.

Pennsylvania:

Altoona, ... 1
E. G. Birge, '07.

Bradford, ... 1
P. R. Straight, '06.

Erie, ... 1
T. P. Tredway, '10.

Greencastle, ... 1
P. W. McLaughlin, '07.

Hanover, ... 1
J. E. Meisenhelder, '02.
E. W. Stick, '09.

Harrisburg, ... 1
R. F. L. Ridgway, '06.

Johnstown, ... 1
D. P. Ray, '07.

Lebanon, ... 1
G. R. Pretz, '09.

Mont Alto, ... 1
B. S. Putts, '06.

Philadelphia, ... 11
W. H. Blakeslee, '01.
E. M. L'Engle, '02.
M. Herrington, '06.
S. D. Ludlum, '02.
B. B. V. Lyon, '07.
J. H. Oppenheimer, '08.
G. Peirce, '07.
D. B. Pfeiffer, '06.
H. M. Smith, '01.
A. W. Tallant, '02.
L. Tuttle, '07.

Pittsburgh, ... 18
L. Adams, '11.
M. H. Baker, '10.
T. Baker, '04.
L. C. Bixler, '03.
W. E. Carson, '07.
B. Z. Cashman, '09.
F. R. Crawford, '11.
W. R. S. Denner, '08.
A. H. Eggers, '00.
C. C. Hartman, '11.
D. W. Luten, '11.
W. Marshall, '03.
R. T. Miller, '03.
W. B. Rogers, '10.
J. W. Sheetz, '10.
P. R. Sieber, '11.
M. B. Sponsler, '11.
J. S. Willock, '04.

Pottsville, ... 1
M. B. Kingsbury, '06.

Royersford, ... 1
H. Graber, '07.

Wilkes-Barre, ... 1
S. D. Wyckoff, '99.

York, ... 3
C. H. May, '08.
E. W. Meisenhelder, '02.
L. S. Weaver, '04.

Philippine Islands:

Manila, ... 6

J. R. Bosley, '01.
P. K. Gilman, '05.
R. W. Hammack, '11.
T. Lamson, '01.
A. W. Sellards, '09.
R. P. Strong, '97.

Rhode Island:

Howard, ... 1

A. P. Harrison, '07.

Providence, ... 8

F. D. Bullock, '07.
M. S. Danforth, '05.
J. R. Elliott, '09.
F. T. Fulton, '99.
H. J. Hoye, '99.
W. E. Leaper, '11.
J. A. McCann, '08.
E. A. Stone, '00.

South Carolina:

Aiken, ... 1

E. S. Cross, '06.

Columbia, ... 1

E. Cooper, '10.

Manning, ... 1

M. Weinberg, '10.

South Dakota:

Pierre, ... 1

T. F. Riggs, '03.

Tennessee:

Memphis, ... 1

L. W. Haskell, '03.

Nashville, ... 1

C. E. Brush, '03.

Texas:

Corpus Christi, ... 1

J. D. Cohn, '11.

El Paso, ... 1

W. W. Waite, '06.

Fort Worth, ... 2

F. C. Beall, '06.
K. H. Beall, '05.

Memphis, ... 1

W. Wilson, '04.

San Antonio, ... 2

R. I. Nixon, '09.
J. L. Robinson, '08.

Utah:

Salt Lake City, ... 1

A. J. Ridges, '08.

Vermont:

Wells River, ... 1

W. G. Ricker, '04.

Virginia:

Abingdon, ... 1

G. V. Litchfield, '02.

Charlottesville, ... 3

H. T. Marshall, '98.
W. M. Thalheimer, '08.
S. H. Watts, '01.

Fairfax, ... 1

H. Fletcher, '00.

Manchester, ... 1

M. P. Rucker, '03.

Norfolk, ... 2

G. E. Chinn, '03.
J. M. Love, '04.

Onley, ... 1

W. F. Kellam, '06.

Petersburg 1

S. W. Budd, '09.

Richmond, ... 3

A. W. Freeman, '05.
W. H. Higgins, '08.
V. Vanderhoof, '05.

Roanoke, ... 5

M. D. Council, '11.
I. H. Gilland, '11.
A. C. Kissling, '11.
G. B. Lawson, '05.
R. L. Rhodes, '10.

Soldiers' Home, ... 1

J. R. Frow, '08.

Washington:

Everson, ... 1

G. E. Rehberger, '05.

Garfield, ... 1

G. M. MacGregor, '02.

Seattle, ... 6

C. F. Davidson, '07.
H. J. Davidson, '05.
I. B. Green, '07.
E. C. Gross, '11.
E. R. Kelley, '06.
H. J. Knott, '11.

Spokane, ... 1
F. Hinman, '06.

West Virginia:

Charleston, ... 1
G. H. White, Jr., '06.

Fairmont, ... 1
C. M. Ramage, '10.

Morgantown, ... 2
J. N. Simpson, '02.
C. E. Watson, '10.

Wheeling, ... 1
J. E. Burns, '08.

Wisconsin:

Beloit, ... 1
E. B. Brown, '06.

Eau Claire, ... 1
H. F. Derge, '08.

Green Lake, ... 1
A. J. Wiesender, '09.

Madison, ... 7
C. R. Bardeen, '97.
C. H. Bunting, '01.
J. A. E. Eyster, '05.
A. S. Lovenhart, '03.
N. O. Nelson, '04.
D. M. Reed (Mendenhall), '07.
C. M. Swett (Bunting), '01.

Menomine, ... 1
A. Egdahl, '04.

Milwaukee, ... 8
C. A. Baer, '05.
P. H. Dernehl, '07.
F. J. Gaenslen, '03.
C. F. Hardy, '02.
W. L. LeCron, '08.
J. D. Madison, '98.
R. G. Washburn, '04.
J. L. Yates, '99.

Wauwatosa, ... 2
H. M. Senseny, '10.
L. M. Warfield, '01.

FOREIGN.

Arabia, ... 1
P. W. Harrison, '08.

Austria:

Linz, ... 1
M. S. Haynes (Heissig), '02.

Canada:

Montreal, ... 1
W. W. Francis, '02.

China:

Changsha, ... 1
E. H. Hume, '01.

Chaochowfu, ... 1
S. M. Grier (Lesher), '05.

Fen Cho fu, ... 1
P. T. Watson, '07.

Haichow, ... 2
R. Bennett (Morgan), '04.
L. S. Morgan, '04.

Hwai Yuen, ... 1
A. G. Murdoch, '06.

Nanking, ... 1
P. S. Evans, '99.

Peking, ... 2
F. J. Hall, '05.
C. W. Young, '03.

Teng Chou, ... 1
R. W. Dunlap, '07.

Wuhu, ... 1
H. S. Houghton, '05.

Germany:

Berlin, ... 4
E. M. Girdwood (Peirce), '09.
W. E. Grove, '08.
G. Peirce, '07.
A. Rohde, '10.

Breslau, ... 1
J. W. Rosenfeld, '10.

Freiburg, ... 2
H. G. Barbour, '10.
A. F. Mattice, '10.

Marburg, ... 1
R. O. Fuerbringer, '08.

Munich, ... 1
J. R. Miller, '11.

India:

Wai, ... 1
R. Fairbanks (Beals), '00.

Lakawn, ... 1
E. C. Cort, '07.

Mexico:

Sonora, ... 1

C. B. Palmer, '07.

Persia:

Hamadan, ... 1

M. D. Allen, '10.

Switzerland:

Berne, ... 1

E. R. Wiese, '11.

Turkey:

Constantinople, ... 1

D. C. Walton, '09.

Europe, ... 3

L. W. Gorham, '10.
A. W. Morrison, '10.
E. Rosencrantz, '04.

GENERAL STATEMENT

The Medical Department of the Johns Hopkins University was opened for the instruction of students October, 1893. It is an integral and coordinate part of the University, and is in the closest affiliation with the Johns Hopkins Hospital, the professors of the various clinical branches being the heads of the corresponding departments in the Hospital.

The required period of study for the degree of Doctor of Medicine is four years. The instruction begins on the morning of the first Tuesday of October. Candidates for admission are required to be present on the preceding Friday (see the Calendar, page 7). The graduating exercises are held on the second Tuesday of June. There are short recesses at Christmas and Easter.

The course of instruction is planned for the professional training of those who have received a liberal education, as indicated by a collegiate degree in arts or science, including a reading knowledge of French and German and adequate training in those branches of science, such as physics, chemistry and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

Throughout the course special emphasis is laid upon practical work in the laboratories and in the dispensary and wards of the hospital. While the aim of the School is primarily to train practitioners of medicine and surgery, it is recognized that the medical art should rest upon a suitable preliminary education and upon thorough training in the underlying medical sciences. The first two years are devoted mainly to practical work, combined with demonstrations, recitations and lectures, in the laboratories of anatomy, physiology, physiological

chemistry, pharmacology, pathology and bacteriology. During the last two years the student is given abundant opportunity for the personal study of sick patients, and most of his time is spent in the hospital wards or dispensary, and in the clinical laboratories.

Each year twelve members of the graduating class are appointed to serve as resident house officers in the Johns Hopkins Hospital, and in addition a certain number are afforded the opportunity of serving as "externes" in the Hospital and Dispensary. See "Hospital Appointments" p. 176.

All inquiries should be addressed to the Dean of the Johns Hopkins Medical School.

REQUIREMENTS FOR ADMISSION

As candidates for the degree of Doctor of Medicine the School receives:

I. Those who have satisfactorily completed the Chemical-Biological course which leads to the A. B. degree in this University (Group V. course preliminary to medicine).

II. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have an acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of biology, chemistry and physics, as may be obtained by a year's course in these subjects, when accompanied by laboratory work.*

*While a year's laboratory work in physics, chemistry and biology is accepted as fulfilling the minimum requirements for entrance, attention is called to the fact that in chemistry, at least, this amount of work does not suffice to prepare the student to follow with advantage the chemical side of medical studies. In the preliminary medical course provided in this University, two years of chemical work are required. All intending students are advised to arrange for this amount of laboratory instruction in the subject, including some work in organic chemistry.

Biology.—In addition to the usual class work, the instruction must include a year's laboratory course of six or more hours a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

Chemistry.—The minimum requirement is a course in general chemistry for one year. This must include five hours of laboratory work a week throughout the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry."

Physics.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

Latin.—The candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

III. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and in addition, the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.**

Application Blanks. — Application for admission should be made to the Dean, who will furnish blanks, relating to the previous courses of study of the applicant.

The blanks should be filled out and returned promptly, when the applicant will be notified of the probabilities of his acceptance with or without conditions.

Certificates.—Applicants are required to furnish certificates, from officers of the college or scientific schools at which they have studied, as to the courses pursued in physics, chemistry, and biology.

Exemption from Entrance Examination.—Those who possess a degree in arts or sciences from an approved col-

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**Applicants who are deficient in either French or German or in laboratory work in physics, but fulfill the requirements in other respects, may be admitted conditionally, on the understanding that the condition must be absolved before the beginning of the second year.

lege or scientific school, and in addition furnish satisfactory certificates concerning their training in physics, chemistry and biology, with evidence of acquaintance with Latin and a reading knowledge of French and German, are admitted without examination.

Special Workers.—Special workers, not candidates for a degree, will be received at the discretion of the Faculty.

Admission to Advanced Standing

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that medical courses equivalent in kind and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed, and (3) they must pass examinations at the beginning of the session in October in the subjects already pursued by the class to which admission is sought. The applicant must have studied as a matriculated medical student in an approved medical school for a period of time at least equal to that already spent by the class which he seeks to enter. Certificates of standing elsewhere cannot be accepted in place of these examinations.

Persons who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates for that degree from this University. Should further instruction be desired, they are advised to enter as graduate students.

GENERAL PLAN OF INSTRUCTION

Each year is divided into trimesters, the first extending from October to the Christmas recess, the second from January to March 15, and the third from March 15, to the end of the academic year.

As the student upon entrance is required to show evidence of an adequate collegiate training in physics, general chemistry, and general biology, these subjects do not form a part of the curriculum of this school.

The first two years of the course are devoted mainly to the fundamental medical sciences, the larger part of the time being spent in practical work in the laboratories. In the last two years the various clinical branches are studied in the wards of the Hospital, the dispensary, and in the clinical laboratories.

The principal studies of the first year are human anatomy, histology, neurology, bacteriology, physiology, and physiological chemistry.

The study of anatomy and of physiology is continued in the second year, together with general pathology, pathological anatomy and histology, pharmacology, and toxicology. During the last trimester of the second year instruction is begun in physical diagnosis and in certain surgical methods, as an introduction to the clinical work of the succeeding years.

The arrangement of the courses during the first two years follows a definite plan that has two purposes in view: First, to secure that logical sequence of studies which is generally recognized as desirable, and second, to enable the student to concentrate his work at certain periods upon some one subject or upon closely allied subjects. The various studies are not, however, entirely separated from one another, but are arranged to overlap, so that a student makes a beginning in one subject before

he has completed his work in the study that is a natural antecedent to it.

The major portion of the work of these years is obligatory for all students, but the time is so arranged that certain elective courses may be selected; thereby making it possible either to give more time to the obligatory courses, or to do special work along related lines. When any elective course has been selected it must be completed satisfactorily if credit is to be obtained for it.

As the third and fourth years are devoted to practical medicine, they can not be taken up until the student has obtained credit for a prescribed minimum of work in the underlying sciences. At present, thirty units of work are required in the first two years. Each unit is a course or group of courses of instruction equivalent to five hours a week for one trimester, so that it will be necessary for the student to take five units of work, obligatory and elective, during each trimester, in order to complete in two years the requirements for entrance upon the clinical studies. The system, however, permits him to spend an additional trimester or longer in the preparatory work, should it prove necessary or desirable.

The work of the third year is largely obligatory. During this year the student attends the clinics and dispensary exercises in medicine and surgery, and completes the required work in obstetrics, gynecology and nervous diseases.

For the morning work the class is divided into four groups. During the first hour each group receives instruction in obstetrics, gynecology or surgery, and from ten o'clock to noon the time is devoted to practical work in the medical, surgical and nervous departments of the Dispensary. From 12 noon to 1 p. m. the entire class attends the large amphitheatre clinics in medicine or surgery.

The afternoons are devoted mainly to laboratory work in clinical microscopy and surgical pathology. Some in-

struction is also given in practical therapeutics and pharmacy, thus completing the pharmacological work of the previous year. Moreover, short propadeutical courses are given to familiarize the student with the use of the ophthalmoscope and laryngoscope. On certain afternoons there are also offered a number of short elective courses of a practical character, and each student is required to select from them a sufficient amount of work to give him a credit of one and a half units—the unit for the last two years being defined as a course or group of courses equivalent to six hours a week for one trimester.

In the fourth year, the class is divided into three groups, each working in rotation for one trimester in medicine or surgery, or in certain elective courses. For one-third of their time the students are given an opportunity to vary their studies according to their special needs, and may choose from a large number of elective courses.

Each student must complete 18 units of work during the year, 12 of which are obligatory and 6 elective. The obligatory work consists of six units in medicine, three units in surgery, one unit in ophthalmology, one unit which may be selected from laryngology, dermatology, pediatrics, genito-urinary surgery, orthopedics or neurology, as well as attendance upon a weekly amphitheatre clinic in medicine, and upon a group of lectures in medical zoölogy, psychiatry, hygiene, medical jurisprudence and medical ethics, which together count as one unit.

The elective work is arranged in major, minor and fractional courses. The former occupy 3 or 2½ hours a day throughout one trimester, according as the classes are in the morning or afternoon, and count as 3 or 2½ units respectively. In the minor courses, which count as one unit, one hour a day throughout one trimester or two hours a day for one-half a trimester are devoted to the subject; while several fractional courses may be combined in order to make one unit. Students choosing these

courses must register at the Dean's office and will be expected to perform the work satisfactorily and to submit to an examination at its close. Elective courses must be followed to the end of the trimester, after having been once chosen.

The obligatory work in medicine requires, at least, six hours of work a day for one trimester. The members of the medical group act as clinical clerks in the medical wards of the hospital, a certain number of beds being assigned to each student. They take the histories and keep the notes of cases, and under the guidance and direction of the resident physician make the necessary examinations. They accompany the physician-in-chief or some member of the staff in the daily ward-rounds, write the history of the new patients, are questioned as to the results of their examinations, and receive special bedside and laboratory instruction. In surgery, the student gives three hours a day during one trimester to attendance upon the ward-rounds, operating-rooms and the surgical laboratories. The members of this group take the histories of patients in the wards and act as surgical dressers. They make the morning visits with the surgeon-in-chief or the resident surgeon, and have daily opportunities to become familiar with the diagnosis, management and progress of surgical cases. They witness and assist at operations, and are given an opportunity to take an elective course in operative surgery upon animals.

From the above statements, it will be seen that, the time of each student during the fourth year is divided as follows: trimester A, practical work in medicine during the entire day; trimester B, practical work in surgery during the mornings; and in the afternoons, short obligatory courses in ophthalmology and in one of the special branches of medicine; trimester C, six units of elective work. The courses so elected may continue the practical work in medicine, surgery, obstetrics, gynecology, etc., or may bear upon the special branches of medicine, or may

be taken in the scientific laboratories. Each student, in other words, after completing certain minimal requirements, chiefly in medicine and surgery, may extend his knowledge by taking a number of short clinical courses in different departments, or he may concentrate his attention upon the work of a few departments.

CLINICAL OPPORTUNITIES

Abundant and varied clinical material is afforded by the Johns Hopkins Hospital and Dispensary. The Johns Hopkins Hospital occupies a site of fourteen acres immediately adjoining the grounds of the Medical School; some of the laboratories of the School are in the Hospital buildings. The Hospital is unusually complete and well-equipped. It comprises a large administration building, and separate buildings for the pay-wards, free-wards, dispensary and amphitheatre, laboratories, nurses' home, laundry, kitchen, etc. Practically all of the instruction of the fourth-year class, and most of the work of the third-year class is given in the Hospital and Dispensary.

The Hospital is governed by its own Board of Trustees, and has an ample endowment independent of that of the University and its Medical School, but the relations between the two institutions are of the most intimate kind. The Superintendent of the Hospital and all its chief officers are also members of the Medical Faculty, so that the entire practice in the Hospital is under the control of the professors of the Medical School and their assistants. By this arrangement ample material is obtained for thorough clinical instruction in the various branches of medicine and surgery, including the specialties.

The lying-in department of the Hospital and the outpatient obstetrical service supply opportunities for practical training in obstetrics, and the Harriet Lane Johnstone Home for Invalid Children and the Phipps Psy-

chiatric Clinic, when completed, will afford abundant facilities for instruction in Pediatrics and Psychiatry.

The clinical amphitheatre and operating rooms are in the Surgical building of the Hospital. This building furnishes facilities for the instruction of third and fourth year students in surgery and medicine. It contains, upon the first floor adjoining the dispensary, several operating rooms for accident and minor surgical cases. Upon the third floor a recitation and lecture room is provided, in connection with special rooms for the study of surgical pathology. There are also X-ray rooms, examination rooms, and treatment rooms. In the fourth and fifth stories are the surgical amphitheatre, and several smaller operating rooms, and the necessary preparation, etherizing and recovery rooms. In the basement a suite of rooms is thoroughly equipped for work in genito-urinary surgery.

On the first floor there is a large amphitheatre for the demonstration of medical cases, and various small rooms for those who are pursuing special studies in physical diagnosis. The building also contains the several laboratories belonging to the medical clinic; namely, the general clinical laboratory, the biological laboratory, the physiological laboratory, the bio-chemical laboratory, etc.

The Hunterian Laboratory of Experimental Medicine has been built especially for instruction in pathological physiology and in operative surgery upon animals. It is thoroughly equipped and offers facilities to students for acquiring direct experience in surgical technique and the experimental methods applicable to medical research, under the supervision of competent instructors.

Through the liberality of Mr. Henry Phipps a separate out-patient building has been provided for the care and study of patients suffering from tuberculosis. This building, which is adjacent to the Dispensary, is not only admirably equipped for the care of patients, but also for

the laboratory investigation of the various problems connected with the disease.

The Harriet Lane Home for Invalid Children (See Appendix, XI) will be ready for use during the session of 1911-1912, and will afford abundant facilities for instruction in diseases of children. It is situated on the grounds of the Johns Hopkins Hospital and will be in charge of the Professor of Pediatrics in the Johns Hopkins University. This hospital will accommodate 100 patients and will be provided with an out-patient department.

Through the courtesy of the Supervisors of City Charities of Baltimore, the Johns Hopkins University has the privilege for part of the year of utilizing for clinical instruction the patients in the various departments of the City Hospitals at Bay View. During the first trimester practical instruction in mental diseases is given to the fourth-year class; and during the third trimester the wards of the general and tubercular hospitals will be utilized for the instruction of third-year students in medicine, surgery and pathology.

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, under date of June 12th, 1908, Mr. Henry Phipps of New York, proposed to erect a Psychiatric Hospital in connection with the Johns Hopkins Hospital, to provide for the better care of patients suffering from mental disease, especially in its earlier and curable stage, under conditions similar to those in a general hospital. He offered the funds necessary for the erection of a psychiatric hospital on the grounds of the Johns Hopkins Hospital, to afford accommodation for about sixty patients and to contain the necessary laboratory facilities, hydrotherapeutic apparatus and other modern facilities for treatment, and furthermore, to give to the Johns Hopkins University

additional funds for the establishment of a professorship of psychiatry and adequate assistantships thereto for a period of ten years from the opening of the clinic. This generous offer was immediately accepted by the Trustees of the Johns Hopkins University and Hospital, and the respective Boards elected Dr. Adolph Meyer of New York, Professor of Psychiatry on the part of the University and Director of the Clinic on the part of the Hospital. The building thus provided for is now in process of erection, and the clinic will be ready for the admission of patients and for the instruction of students early in 1912.

MEDICAL ATTENTION TO STUDENTS

By the action of the Board of Trustees of the University taken March 7th, 1904, the appointment of an official medical adviser to the students of the Medical Department was authorized. This officer is to have a definite hour for consultation, and when requested, is expected to visit in their own homes, such students as are too ill to meet him at his consultation hour, and to obtain, when necessary, the services of specialists for special examination and treatment. This service is without cost to the students, the salary of the Adviser being paid by the University. Dr. F. J. Sladen, Resident Physician to the Hospital and Associate in Medicine in the University, holds this position for the present academic year.

In order to guard more carefully the health of the students, the Advisory Board of the Medical Faculty decided, in 1909, that all entering students would be asked to undergo a medical examination. A careful physical examination is made and the results are recorded and placed upon file. If the results are unsatisfactory the student is given appropriate advice in regard to his future work. During the month of October each student is expected to report to one of a group of selected physicians for this purpose.

A competent physician has also been appointed to supervise the hygienic conditions of all boarding houses which advertise for the patronage of the students. A list of such houses as satisfy his requirements is posted in the office of the Medical School.

MICROSCOPES

The character of the practical work requires that each student during each year of the course, shall be supplied with a microscope, and every student is recommended to purchase one. Any student who does not possess a microscope may obtain one from the school upon the payment of a small yearly rental. A microscope thus rented is given entirely into the charge of the student, but it must be returned in good condition at the end of the year.

Microscopes are not provided in the graduate courses. A limited number of microscopes including immersion lens, may be rented from the Registrar for these courses, at the rate of $7.00. Those who rent microscopes will be required to deposit $10.00 to cover any possible damage to the stand or lenses. This money will be returned at the end of the course if the microscope is not injured.

REGISTRATION

Students in the undergraduate courses must register at the Dean's office at the beginning of each year and pay their fees for the first trimester.

Graduate students, after receiving permission from the Heads of Departments to enter any course under their supervision, must register at the Dean's office before en-

tering such courses. Upon payment of the requisite fees a card will be issued stating the courses which the holder is entitled to take. This card must be presented to the instructor in charge of each course at the beginning of the class-work in order that the holder may be recognized as a member of the class and receive due credit for the course.

LIBRARIES

The University Library contains 155,624 volumes, selected in recent years with reference to the instruction here given. It is arranged in several collections.

The works relating to medicine are placed in special libraries in the main building of the Hospital and in the Medical School building, and are readily accessible to students and to the workers in the laboratories. The leading medical periodicals of the world are regularly received and complete sets of the more important journals are on the shelves.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Pratt (280,297 volumes), the Medical and Chirurgical Faculty (25,000 volumes), and the New Mercantile (83,000 volumes). With the exception of the last-named these libraries are open to students of the Medical School without charge.

Washington is so near that its libraries and museums may be easily visited. Among the chief institutions of interest to students are: The Smithsonian Institute and National Museum, the Library of Congress, the Army Medical and Surgical Museum, the Library of the Surgeon-General's office, and the Libraries of the Departments and Bureaus.

MEDICAL SOCIETIES

The Hospital Medical Society, the Laennec Society and the Historical Club meet at the Hospital regularly throughout the academic year, and are open to students.

GRADUATE INSTRUCTION

Opportunities may be obtained at all times of the year for graduate instruction by physicians who are graduates of reputable schools. These opportunities vary from year to year and for the different subjects. The details in regard to graduate courses during the present session will be found below at the end of the description of the course of instruction in each department.

PUBLICATIONS

The Bulletin of the Johns Hopkins Hospital, issued monthly, and now in the twenty-second year of its publication, contains articles by those connected with the Medical School and Hospital and the proceedings of the Hospital Societies. The Johns Hopkins Hospital Reports, of which sixteen volumes have been completed, contain the larger monographs and results of researches in the Hospital and the laboratories of the Medical School.

DEPARTMENTS OF INSTRUCTION

The following statements are designed to exhibit the opportunities and the character of the instruction and practical work in each department.

Anatomy

Franklin P. Mall, M. D., Professor of Anatomy.
Warren H. Lewis, M. D., Associate Professor of Anatomy.
Florence R. Sabin, M. D., Associate Professor of Anatomy.
Eliot R. Clark, M. D., Associate in Anatomy.
Herbert M. Evans, M. D., Associate in Anatomy.
Charles R. Essick, M. D., Instructor in Anatomy.
Ernest I. Werber, Ph. D., Assistant in Anatomy.

Courses of instruction are provided in various anatomical sciences—embryology, histology, microscopic anatomy, neurology and gross human anatomy—and opportunities are afforded for advanced work and investigation in these sciences.

The required courses (I, II and III) for candidates for the degree of Doctor of Medicine may be completed during the first year of the medical course.

Students who have completed the required course in anatomy may elect any of the courses in this department.

Physicians and students not candidates for a medical degree may be admitted to any of the courses by special arrangements with the instructors and may undertake advanced work and original research.

Required Courses

I. Systematic Course in the Anatomy of the Human Body. Professor Lewis, Dr. Clark, Dr. Essick and Dr. Werber. Autumn trimester, daily, 9-12. Three units.

In courses I and II the student makes a complete dissection of all the structures, using atlases and text-books

as guides. The work of each student is largely independent.

II. Systematic Course in the Anatomy of the Human Body. Continuation of Course I. Professor Lewis, Dr. Clark, Dr. Essick and Dr. Werber. Winter trimester, daily, 9-12. Three units.

III. Histology (laboratory). Professor Mall, Professor Sabin and Dr. Evans. Monday, Wednesday and Friday, 2-5. Lectures, Professor Sabin, Thursday, 2-3 Autumn trimester. Two units.

Elective Courses

IV. Lectures on Neurology. Professor Sabin. Winter trimester. Wednesday and Friday, 2-3. Two-fifths units.

V. Neurology. Professor Sabin, Professor Mall and Dr. Evans. Winter trimester. Tuesday and Thursday afternoons, 2-5. One and one-fifth units.

VI. Conference in Anatomy. Professor Lewis. Autumn and Winter trimesters. Tuesday, 12-1. One-fifth unit each trimester.

VII. Conference in Osteology. Dr. Clark. Autumn trimester. Monday, 12-1. One-fifth unit.

VIII. Study-Room Course in Anatomy. Professor Lewis. Autumn trimester, 10-1. Dr. Clark, Spring trimester, 9-12. One to three units each trimester.

IX. Topographical Anatomy. Professor Lewis. Winter trimester, daily, 9-11. Two units.

X. Anatomy of the Infant. Dr. Clark. Winter trimester, daily, 9-11. Two units.

XI. Advanced Embryology. Spring trimester.

XII. Experimental Embryology. Professor Lewis. Spring trimester. Hours to be arranged.

XIII. Advanced Human Embryology. Professor Mall. Autumn, Winter and Spring trimesters.

XIV. Advanced Neurology. Professor Sabin. Spring trimesters, forenoons.

XV. Structure and Development of the Vascular System. Spring trimester. Dr. Evans.

XVI. Original Investigation. Autumn, Winter and Spring trimesters, daily.

GRADUATE COURSE

Gross Anatomy. Dr. W. H. Lewis, Fall, Winter and Spring trimesters. Hours arranged with the instructor.

Dissection, study of prepared specimens and of frozen sections. Fee $25.00 per month.

Physiology

William H. Howell, M. D., Professor of Physiology.
Donald R. Hooker, M. D., Associate Professor of Physiology.
Charles D. Snyder, Ph. D., Associate Professor of Physiology.
William E. Burge, Ph. D., Instructor in Physiology.

The course in physiology extends from January of the first year to January of the second year. By this arrangement of the course the student is enabled to make considerable progress in anatomy and histology before beginning his work in physiology.

The work consists of a systematic course of lectures covering the subject of animal physiology, experimental work in the laboratory, demonstrations and recitations. The lectures are illustrated by experiments and demonstrations in the lecture room. Recitations are held upon the subject-matter covered by the lectures and laboratory work.

The course as arranged for 1911-1912 is as follows:

I. Physiology of Secretion, Digestion and Nutrition—1911. Dr. Howell, twice weekly from October to January. Second year medical class. One-half unit.

II. Laboratory Course in Experimental Physiology. Drs. Howell, Hooker, Snyder and Burge. Two

mornings and two afternoons weekly during the first and the third trimesters. Half of the class takes this course in the third trimester of the first year, and the other half during the first trimester of the second year. This laboratory course is arranged to occupy twelve hours a week for about twelve weeks. Two and one-half units.

III. Physiology of Muscle and Nerve, Central Nervous System, and Special Sense—1912. Dr. Howell, three times weekly during the second trimester. First year medical class. One-half unit.

IV. Physiology of Blood, Circulation and Respiration—1912. Drs. Howell, Hooker and Snyder. Recitations and Demonstrations. Twice weekly during the third trimester. First year medical class. One-half unit.

In addition to the foregoing exercises, students are given opportunities to participate in the more advanced courses, intended primarily as graduate work. These courses are as follows:

V. Journal Club. One hour weekly during the year. Those who participate in the work of this course are expected to report from time to time upon papers of physiological interest that may appear in current journals.

VI. Physiological Seminary. One hour weekly during the year. The object of the Seminary work is to study carefully, by means of lectures or readings, some special part of physiology, the topics chosen varying each year.

VII. Advanced Laboratory Course. This course is not limited as to time or amount of work except that assistance from the professor of physiology must be arranged for by definite engagements. The instruction is given individually and may involve undertaking a definite investigation.

Graduate Courses

PHYSIOLOGY, *Elementary.* (Limited to four.) Laboratory course in experimental physiology during either the first or third trimester.

The work will consist in exercises in the various graphic methods used in physiology to study the properties of muscle and nerve and the circulatory and the respiratory organs. Fee $25.00. Apply to Professor W. H. Howell.

PHYSIOLOGY, *Advanced.* (Limited to two). January to June 1. Professor W. H. Howell.

Individual instruction will be given in the methods used in physiological demonstrations and research. Especial attention will be paid to the methods employed in the study of the circulation. Fee $50.00.

PHYSIOLOGICAL CHEMISTRY

WALTER JONES, Ph. D., Professor of Physiological Chemistry.
ELI K. MARSHALL, JR., Ph. D., Assistant in Physiological Chemistry.

Instruction in this branch is given by laboratory work, lectures, demonstrations, and conferences of a less formal character. The work in the laboratory is conducted in two sections which meet in the third trimester of the first year, and in the first trimester of the second year respectively. The exercises are conducted on Tuesdays and Thursdays, from 10 to 1 in the morning, and from 2 to 5 in the afternoon.

I. LABORATORY WORK. Professor Jones and Dr. Marshall.

(*a*) A short preliminary course on the chemistry of various substances, such as proteids, which are usually not familiar to the students of pure chemistry but which should be understood in order that he may intelligently execute the work that follows.

(*b*) A course of qualitative analysis in which some examination is made of nearly every tissue and fluid of the

body. Blood, liver, milk (colostrom), muscle, gastric juice, adipose tissue, bone and bile receive special attention, and whenever material is available a study is made of pathological fluids and concretions. The order adopted in this consideration of the chemical topography of the body is arranged to emphasize so far as possible, the physiological chemical processes which are going on in the body.

(*c*) A study of those physiological chemical processes that can be closely imitated outside the body, as the action of enzymes, salivary, pancreatic, and gastric digestion.

(*d*) Class experiments. Demonstrations by the instructor in which the entire class usually takes part.

(*e*) Quantitative analysis. Determination of normal and pathological constituents of urine; analysis of milk, gastric juice, stomach-washing, air, water, and foods. An attempt is made here to familarize the student with the chemical technique required for metabolism experiments.

(*f*) Examination of the fæces with special references to putrefactive processes.

II. Conferences. Professor Jones and Dr. Marshall. Informal conferences are held at which the laboratory work is discussed and the progress and needs of the students are considered. Here also the late literature that bears directly on the work is reviewed.

III. Lectures. Professor Jones. A brief survey of the entire province of physiological chemistry. Emphasis is given to that part of the subject which for obvious reasons must be omitted from a laboratory course.

IV. Organic Chemistry. Dr. Marshall. An elective course consisting of two lectures a week during the first trimester. Thursday and Friday, 12 to 1 p. m. Two-fifths unit.

Graduate Courses

PHYSIOLOGICAL CHEMISTRY, *Elementary.* March 15 to June 1, every afternoon. Professor Jones and Dr. Marshall.

A limited number of physicians or others who have had the requisite preliminary training in chemistry will be received for the laboratory course and lectures given to the medical students. Fee $25.00.

PHYSIOLOGICAL CHEMISTRY, *Advanced.* Professor Jones and Dr. Marshall.

Those who have the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year. Fee $50.00, for the entire year.

PHARMACOLOGY AND PRACTICAL THERAPEUTICS.

TOXICOLOGY AND PHARMACY.

JOHN J. ABEL, M. D., Professor of Pharmacology.

CARL VOEGTLIN, Ph. D., Associate Professor of Pharmacology.

LEONARD G. ROWNTREE, M. D., Associate in Experimental Therapeutics.

THOMAS MCCRAE, M. D., Associate Professor of Medicine and Clinical Therapeutics.

ALFRED R. L. DOHME, Ph. D., Instructor in Pharmacy.

I. PHARMACOLOGY. An elective course in this subject occupying one afternoon a week is offered in the second trimester of the year. The physiological action of a selected list of drugs and poisons is made the subject of this course and the afternoon's work, performed by the student under the immediate supervision of the instructor, is preceded by brief statements of the significance and bearing of the experiment in hand. The aim of this course is to give a clear idea of the general principles and of the more important phenomena involved in the study of pharmacology.

During the second trimester a course of lectures with demonstrations and recitations covering the subject of pharmacology is given from 9 to 10 a. m. five days of the week. It is the purpose of this course to treat the subject in a manner adapted to the needs of the medical student. As this course requires much outside reading it will be estimated at one and two-fifths units.

II. Therapeutics. Dr. Thomas McCrae and Dr. Leonard G. Rowntree. The course extends through the third and fourth years. It consists of practical demonstrations as far as possible.

In the third year the course consists largely of the study of methods. Practical therapeutic measures, such as hydrotherapy, bleeding, etc., are demonstrated. The various groups of medicines, for example diuretics, are taken up and their indications discussed. In the fourth year the work is a continuation of that in the third year. The general care of patients in the treatment of special diseases is considered. The diets of patients and the methods of preparing the simpler foods are described. As far as possible the work is practical and is given in connection with the course in general medicine, so that the study of treatment goes along with the regular clinical work.

III. Toxicology. An elective laboratory course in this subject is offered in the second trimester. The course occupies one afternoon a week during the trimester and deals with the subjects both from the chemical and medical points of view.

IV. Pharmacy. Pharmacy is treated by a special instructor, Dr. A. R. L. Dohme, in a course of demonstrations and lectures, once weekly for three months. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopœial preparations are fully dealt with. The more important preparations are made before the class.

V. Practical Course in Pharmacy. Dr. A. R. L. Dohme. An elective course designed especially for students in the third year. Friday afternoons, 2 to 4.30. Second trimester. All typical pharmacopœial preparations are made and all typical prescriptions are compounded by each student. One-half unit.

Graduate Course

Pharmacology and Experimental Therapeutics, *Advanced.* Professor J. J. Abel and Drs. Voegtlin and Rowntree.

Those who have had the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year.

Pathology and Bacteriology

William H. Welch, M. D., Professor of Pathology.
William W. Ford, M. D., Associate Professor of Hygiene and Bacteriology.
George H. Whipple, M. D., Associate Professor of Pathology.
Milton C. Winternitz, M. D., Associate in Pathology.
John H. King, M. D., Associate in Pathology.
Thomas P. Sprunt, M. D., Instructor in Pathology.
Fred. B. Bowman, M. D., Assistant in Pathology.
Lloyd P. Shippen, M. D., Assistant in Hygiene and Bacteriology.
John T. MacCurdy, M. D., Fellow in Pathology.

General and special pathological anatomy and histology, general pathology, and bacteriology are taught by laboratory work, demonstrations, recitations and lectures. The courses in pathology come in the first and second trimesters of the second year; those in bacteriology in the third trimester of the first year. The laboratory work occupies three half-days a week.

I. The Conduct of Autopsies. Drs. Whipple, Winternitz, King and Sprunt. The autopsies are made in the Pathological building and are witnessed by the students of the second, third and fourth years. Students are per-

mitted to assist at post-mortem examinations and are instructed in the methods of making such examinations and of recording the results in proper protocols.

II. Demonstrations in Gross Morbid Anatomy. Drs. Whipple, Winternitz, King and Sprunt, 12-1, twice a week throughout the year. The gross morbid specimens, collected during the week, are demonstrated to students of the second year. In addition, fresh and museum specimens are exhibited in the course in pathological histology to illustrate the macroscopical appearances of the morbid conditions studied by the microscope.

III. Bacteriology. Professor Welch, Professor Ford and Dr. Shippen, third trimester (March 15 to June 1), Monday, Wednesday and Friday mornings, first year class. This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining, and studying bacteria, the biological examination of air, water, and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered.

IV. Lectures on Infection and Immunity. Professor Welch, Wednesdays and Fridays, 2 to 3, third trimester, first year class. During the months of practical work in bacteriology lectures are given devoted mainly to the consideration of subjects pertaining to infection and immunity.

V. General Pathology, Pathological Anatomy and Pathological Histology. Professor Welch, Professor Whipple and Drs. Winternitz, King and Sprunt. Monday, Wednesday and Friday afternoons, 2 to 5, during the first and second trimesters, second year class. The subjects are covered, as far as practicable, by demonstrations, lectures and laboratory work. Pathological histology is taught as a part of pathological anatomy, the description

and demonstration of gross lesions being followed by their microscopical examination.

VI. Recitations. Professor Welch, Mondays at 12, throughout the year. Weekly recitations cover the work done by the students of the first and of the second years in their laboratory exercises, in bacteriology and in pathology, as well as subjects treated in lectures and those reserved more especially for text-book study.

VII. Laboratory Course in Hygiene. (Elective). An elective laboratory course in hygiene is offered to students who have completed adequate courses in bacteriology. It occupies two half days a week and consists of chemical and bacteriological examinations of water, milk and sewage. In addition weekly inspections are made of water supplies, sewage disposal plants, filtration plants and model dairies in the vicinity of Baltimore. (For details, see p. ——).

VIII. Advanced Work and Special Research. Opportunity is afforded to those suitably trained to pursue advanced work and special research in pathological anatomy and histology, experimental pathology, and bacteriology. For these purposes the pathological laboratory is equipped with the necessary apparatus and material.

Experimental Pathology

George H. Whipple, M. D., Associate Professor of Pathology.
John H. King, M. D., Associate in Pathology.

The department of experimental pathology has been established, on the basis of courses already given, for the purpose of giving instruction concerning the abnormal activities of organs which result from pathological lesions. The work is thus largely experimental and obviously closely allied to clinical medicine, but inasmuch as the diseased conditions studied are under complete control far greater opportunity is afforded for their detailed investigation.

The field is so large that only a portion of it is taken up each year and during the second trimester of 1911-1912 the glands of internal secretion will be studied. The course will consist of lectures, experiments and anatomical and chemical demonstrations given from January 1 to March 15, on Thursdays, 10 a. m. to 1 p. m.

The various mechanical, chemical and metabolic disturbances which are caused by injury to or removal of the ductless glands will be studied. The important and close relationship of these glands to each other will be investigated. The chemical and metabolic changes will be studied with especial care.

The course is open to all students after the completion of the first year, but only a limited number can be accommodated. It is especially desired that the students taking this course may proceed with the independent investigation of difficulties and problems met with in the course. Facilities for this work will be available during the entire year.

Room is available for a limited number of advanced workers who desire to investigate problems in experimental pathology.

Graduate Courses

Pathology. A limited number of physicians will be received during the year in the courses in bacteriology and pathology. Fee for the entire year $50.00, fee for half year $25.00. Apply to Professor W. H. Welch.

Pathology, *Elementary.* Prof. G. H. Whipple, May 1 to July 1. (Limited to ten.) Three afternoons a week. Lecture and laboratory exercises in general pathological histology.

This course will not be given if less than five register. Applications must be received before April 15. Fee $50.00.

Hygiene. Dr. W. W. Ford. A limited number of graduates is admitted to the laboratory course in Hygiene. Fee $50.00.

Medicine (Including Work in the Clinical Laboratories)

Lewellys F. Barker, M. D., Professor of Medicine.
William S. Thayer, M. D., Professor of Clinical Medicine.
Thomas B. Futcher, M. B., Associate Professor of Medicine.
Thomas McCrae, M. D., Associate Professor of Medicine.
Thomas R. Boggs, M. D., Associate Professor of Medicine.
Frank R. Smith, M. D., Associate in Medicine.
Louis P. Hamburger, M. D., Associate in Medicine.
Thomas R. Brown, M. D., Associate in Medicine.
Louis V. Hamman, M. D., Associate in Medicine.
Arthur D. Hirschfelder, M. D., Associate in Medicine.
William L. Moss, M. D., Associate in Medicine.
Frank J. Sladen, M. D., Associate in Medicine.
Jacob Hall Pleasants, M. D., Instructor in Medicine.
Joseph A. Chatard, M. D., Instructor in Medicine.
John A. Luetscher, M. D., Instructor in Medicine.
Henry Lee Smith, M. D., Instructor in Medicine.
Charles W. Larned, M. D., Instructor in Medicine.
Samuel Wolman, M. D., Instructor in Medicine.
Harry S. Greenbaum, M. D., Instructor in Medicine.
Paul W. Clough, M. D., Instructor in Medicine.
Clyde Graeme Guthrie, M. D., Instructor in Medicine.
Eugene J. Leopold, M. D., Assistant in Medicine.
David I. Macht, M. D., Assistant in Medicine.
George S. Bond, M. D., Assistant in Medicine.
John T. Sample, M. D., Assistant in Medicine.
Charles R. Austrian, M. D., Assistant in Medicine.
Walter A. Baetjer, M. D., Assistant in Medicine.
Trigant Burrow, M. D., Assistant in Medicine.
Martin F. Sloan, M. D., Assistant in Medicine.
Maxwell Ross, M. D., Assistant in Medicine.
Ralph H. Major, M. D., Assistant in Medicine.
Sydney R. Miller, M. D., Assistant in Medicine.
Helen Watson, M. D., Assistant in Medicine.

The teaching is in the dispensary, in the clinical laboratories, in the wards and in the clinical amphitheatre. In place of systematic didactic teaching there has been introduced a plan of practical instruction by which the student is brought directly in contact with the patients, and

taught from the outset how to recognize and treat disease as it occurs in nature, not in books.

A. Primarily for Students of the Second Year.

Introduction to the Study of Clinical Medicine. Lecture course by Professor Barker. This course will deal especially with "The Art of Examining Patients."

1. Elementary Physical Diagnosis. Drs. Futcher and McCrae, assisted by Drs. Chatard, Larned, H. L. Smith and Greenbaum, after March fifteenth, Mondays, Tuesdays, Wednesdays and Thursdays, 10 a. m.

This course consists of a demonstration and practical exercises illustrating the simpler methods of physical exploration of the normal organs of the chest and abdomen, especial attention being paid to topographical percussion.

In connection with this course a series of demonstrations to illustrate the surface and other relationships of the thoracic and abdominal viscera will be given on the cadaver.

Medical Physiology. Dr. Hirschfelder. Lectures and demonstrations on man and animals, introductory to the study of clinical medicine. Mondays, 2-5 p. m. Third trimester.

B. Primarily for Students of the Third Year.

2. General Physical Diagnosis. In sections, Mondays, Wednesdays, Thursdays and Saturdays from 10-12.

The course is in charge of Associate Professor Futcher with the assistance of Associate Professors McCrae and Boggs, Drs. F. R. Smith, Brown, Hamburger, Hamman, Pleasants, Leutscher, Chatard, H. L. Smith, Larned, Greenbaum, Wolman, Leopold, Macht and Sloan.

a. In the first half-year, practical and demonstrative exercises in history-taking and physical diagnosis of diseases of the chest are held.

The class is divided into groups comprising five or six students. Each section has two exercises of two hours a week. The exercises are held in the dispensary and consist in the practical study of the physical signs of diseases of the heart and lungs.

During the first half of the year, on four days of the week, a quarter of the class in rotation spends two hours in the dispensary getting practical instruction in history taking.

b. In the second half-year:

ba. Dispensary practice. During the second half-year the students take part in the regular dispensary practice. Each case coming to the dispensary is assigned to a student who takes the history, makes the physical examination and reports to one of the instructors who reviews his work. Each section has one exercise of two hours a week.

After March 15, the third-year students will obtain practical instruction in physical diagnosis at City Hospital and Bay View. This work will be under the direction of Associate Professor Boggs with a corps of assistants.

bb. Practical demonstrative exercises in physical diagnosis of diseases of the abdomen. The class is divided into four sections, each section having one exercise of two hours a week.

c. Weekly recitations on physical diagnosis, on Fridays, 11-12 m. The entire third year class meets Associate Professor Futcher once a week for an hour's recitation. In this exercise the ground passed over in courses 1 and 2 is covered in a systematic manner.

3. Weekly Recitations on General Medicine. Tuesdays, 4.30 to 5.30, October to January 1; Wednesdays, 4.30 to 5.30 p. m., January 1 to June 1. The subjects are assigned and the recitations conducted by the Resident Physician, Dr. Sladen.

4. General Symptomatology of Disease. Professor Barker, Professor Thayer and Associate Professor

Futcher. At twelve o'clock on Monday, Wednesday and Thursday, the students of the third year meet for a general clinic in the medical amphitheatre. The students in rotation examine selected cases. The teaching consists in (*a*) thorough consideration of the clinical features of the case; (*b*) brief discussion of the symptoms; (*c*) reports by each student upon the case which he examines and whose further progress he follows either by personal visits outside or, if the patient is admitted to the Hospital, by observation in the wards; (*d*) on the last class day of each month a clinical "round-up," when the student, whose turn it happens to be, reports on the work of the month; (*e*) short papers on definite themes given to the students and relating to subjects which come up in the course of the examination of patients.

5. Summer Work in Dispensary. After the completion of the third year the students have an opportunity to assist in the dispensary during the summer months. Dr. T. B. Futcher arranges the rotation of the groups and with the other members of the department gives instruction in the method of taking histories and making examinations.

6. Laboratory Diagnosis. Dr. Guthrie, assisted by Dr. Miller, conducts throughout the session, during two afternoons of the week, a class in microscopical and chemical diagnosis. The course is a systematic one in which the students are trained in the methods of examining blood, sputum, gastric contents, urine, fæces, etc. Considerable work is required outside the regular class hours. The required course extends from October to March 15.

One of the large rooms of the clinical laboratory is devoted exclusively to the third year students. Each student has his own place in the laboratory with locker, microscope, reagents, etc.

7. Advanced Work in Laboratory Diagnosis. An elective course in the third trimester. Two afternoons a week for one-half trimester. Dr. Guthrie.

8. The Saturday Clinic. On Saturday at 12 the third year students meet with those of the fourth year for Professor Barker's clinic in the medical amphitheatre of the Hospital. Cases of especial interest are shown and discussed.

9. Clinical and Pathological Conference. On Friday at 4.30 p. m., a clinical and pathological conference is held by Professor Thayer and Dr. Whipple, to which the third year students are invited. This is set forth in the description of the fourth year work.

10. Clinical Work at Bay View, third trimester. Dr. Boggs, assisted by Dr. W. A. Baetjer.

C. Primarily for Students of the Fourth Year

The students are divided into three equal groups, each group serving for three months successively in the medical, surgical, and elective divisions of the Hospital, and in attendance upon the special departments of the dispensary.

11. Ward Work. Of the three groups into which the class is divided the members of a medical group serve for three months as clinical clerks in the medical wards of the Hospital. A certain number of beds is assigned to each student, who takes the history of new cases, keeps the notes, and, under the guidance and direction of the medical staff, makes the necessary examinations. The clinical clerks have access to the wards from 8 a. m. to 6 p. m. They accompany the professors in the ward visits, read the histories of new cases, are questioned as to the results of their examinations, and receive special instruction.

Each student during the trimester, in addition to the ordinary routine work, is encouraged to make studies

with some especial method and to make a report of his experiences with it.

12. Ward Classes. Forenoons the ward visits are made on Monday, Wednesday, and Friday by Professors Barker and Thayer, and on Tuesday, Thursday and Saturday by Dr. Sladen, the Resident Physician. The members of the class are taught the methods of examination, the progress of the cases is followed, and instruction is given in the methods of treatment.

13. The Saturday Clinic. At 12 o'clock on Saturdays the fourth year students attend a general medical clinic given by Professor Barker in the amphitheatre. The clinical clerks read the histories of the new cases brought before the class and report on the progress of cases previously shown.

14. Laboratory Diagnosis. A large room of the clinical laboratory is devoted exclusively to the fourth year class. Here each student has a place with microscope, reagents, etc., throughout the session and can engage in any special work.

15. Clinical and Pathological Conference. On Friday at 4.30, a clinical and pathological conference is held throughout the academic year by Professor Thayer and Dr. Whipple in the Pathological Laboratory. Abstracts of the histories of the fatal cases with the differential diagnosis made before the autopsy are read. The specimens from the autopsy are then demonstrated, after which there is a general discussion of the case.

16. Nature of Infection and Immunity. Lectures and demonstrations. Two hours per week. Second trimester. Dr. Clough.

17. Special Methods of Investigation of Infectious Diseases. (Physicians and students of third and fourth year.) Laboratory exercises, two afternoons per week. Second trimester. Dr. Clough.

18. Medical Bacteriology. Drs. Austrian and Major.

This elective course is open to a limited number of members of the Medical Section, each trimester. A lecture and demonstration will be given once a week, 2.00 to 3.00 p. m., Tuesday. At suitable times during the week opportunity will be given to a small number to do under supervision the bacteriology of the wards. In this way practical work is possible in blood cultures, agglutinative and other serum tests, cultures from throat, sputum, urine, stool, pleural and pericardial effusions, fluids from the peritoneal cavity and joints, and cerebro-spinal fluids.

19. Elementary Course in the Phipps Dispensary for Tuberculosis. Drs. Wolman and Austrian. First trimester. Two days a week, 10-12. (Any morning except Tuesday or Friday.) Elective course. Limited to four students.

20. Advanced Course in the Phipps Dispensary for Tuberculosis. Drs. Hamman, Wolman and Austrian. Third trimester. Elective Course. Limited to four students.

(a) Clinical portion Tuesdays and Fridays, 10-12 m.

(b) Laboratory portion two afternoons a week from 2-5 p. m.

(c) Seminary, one hour a week, Fridays from 4-5 p. m.

21. Extramural Course in the Study of Tuberculosis. Dr. Gordon Wilson.

22. Diseases of Stomach and Intestines. Elective course. One lecture per week. Tuesday, 12-1. First trimester. Dr. Brown. (Not to be given in 1911-1912.)

23. Physical Diagnosis. A study of the ordinary methods as compared with methods using instruments of precision. Drs. Hirschfelder and Bond. Two hours per week. (Time to be announced.)

24. Diagnosis and Treatment of Some Minor Ailments. Elective course. One hour a week. Tuesday, 12-1. Third trimester. Dr. Hamburger.

25. The Symptomatology and Treatment of Diseases of the Ductless Glands. Elective course. One hour a

week. Second trimester. Monday, 12-1. Associate Professor Futcher.

26. Medical Aspects of Joint Diseases. Elective course. One hour a week. Second trimester. Tuesday, 12-1. Associate Professor McCrae.

27. Clinic in Pulmonary Diseases. Elective course. One hour a week. Monday, 12-1. Third trimester. Dr. Hamman.

28. Advanced Work and Research in Inner Medicine. Students of the third and fourth years may, if well fitted for it, and with the permission of Professor Barker, undertake advanced work and research in internal medicine (see below, Medicine, Advanced Work and Research as opposed to graduate students.)

GRADUATE COURSES

University Courses

These courses are of two kinds, elementary and advanced. The elementary course will cover the subject as usually given to undergraduates in medicine and the work may be done with the medical classes. The advanced courses will be given only to those who are prepared to undertake special studies, and the work will be done under the personal supervision of the instructor in charge of the course.

Medicine, *Elementary.* A limited number of physicians will be admitted to the regular class exercise in this subject, including ward rounds, clinics, and the work in the clinical laboratory. Fee $100.00 for the entire year; $50.00 for a half-year. Applications should be made to Professor Barker.

Medicine, *Advanced Work and Research.* Physicians properly trained in fundamental methods will be given opportunities for clinical and experimental investigation. The clinical material of the wards and dispensaries as

well as the facilities of the clinical laboratories is available for such work. On application to Professor Barker and presentation of evidence of fitness to undertake advanced work or research investigations may be carried on in (1) the wards or dispensary (Dr. Sladen, Resident Physician), (2) the general clinical laboratory (Dr. Guthrie in charge), (3) the biological division of the medical laboratory (Dr. Clough in charge), (4) the physiological division of the medical laboratory (Dr. Hirschfelder in charge), or (5) the bio-chemical division of the medical laboratory. Opportunities are offered for special studies in clinical observation and in experimental pathology and therapy, especially in (*a*) the bacteriology and biology of the infectious processes, (*b*) the graphic registration of the phenomena of disease, and other applications of physiological methods to the solution of unsolved problems of etiology, diagnosis and therapy arising at the bedside, and (*c*) the application of chemical methods to the elucidation of metabolic problems. The advice and assistance of the professorial staff (Drs. Barker, Thayer, Futcher and McCrae) are always available to those undertaking original work in the department. Fee $50.00 for the year.

Special Courses

Medicine. Drs. T. McCrae, F. J. Sladen and C. G. Guthrie, June 1 to July 1. (Limited to twenty.) Fee $100.00.

This course will not be given if less than eight register. Applications for this course must be sent in not later than May 10.

The whole material of the medical service will be available for this class. Special attention will be given to the study of the general methods used in the clinic.

The course consists of:

I. *Ward Rounds.* From 9 to 11 daily, in which the teaching is entirely clinical. Drs. McCrae and Sladen.

II. *Physical Diagnosis.* The general methods of diagnosis will be taken up and special attention given to diseases of the thoracic and abdominal organs. At least five hours a week are devoted to this.

III. *Clinical Microscopy and Medical Bacteriology.* Dr. Guthrie, three afternoons—nine hours a week. This course consists of lectures, demonstrations and especially of practical work. All of the available specimens of blood, urine, sputum, gastric contents and stools are studied. The ordinary methods of clinical bacteriology will be demonstrated. (This course is not limited.)

Serum Diagnosis. Drs. Clough and Austrian. Beginning June 1st, a four-weeks' course for physicians will be given in the laboratory of the Medical Clinic of the Johns Hopkins University and Hospital on methods of serum diagnosis, with special reference to the Wassermann and Widal and other immunity reactions.

Lectures, demonstrations, and practical laboratory work.

Course limited to ten, preference given to those with previous experience. The course will not be given to less than six physicians. Application should be made before May 25. Fee, $50.00.

Percussion and Auscultation. Dr. Louis Hamman. June 1st to July 1st. Limited to six. Fee, $60.00. The course will not be given if less than four apply. The course will consist in a demonstration of the changes in physical signs accompanying disease of the thoracic organs. It is to be emphasized that the object of the course is not to give clinical instruction in diseases of the lungs and heart, but to point out the physical changes that such diseases produce and give the student an opportunity to familiarize himself with the commoner methods of detecting these changes. It is aimed to make the course entirely practical. After a few preliminary demonstra-

tions the students will be given cases to examine and their results be then controlled. No lectures will be given.

The course will comprise five exercises a week on Monday, Tuesday, Wednesday, Thursday and Friday from 10 a. m. to 1 p. m. An invitation will be extended to those desiring it to spend Saturday mornings in assisting in the routine work of the tuberculosis clinic.

Surgery

William S. Halsted, M. D., Professor of Surgery.
John M. T. Finney, M. D., Associate Professor of Surgery.
Joseph C. Bloodgood, M. D., Associate Professor of Surgery.
Harvey Cushing, M. D., Associate Professor of Surgery.
Hugh H. Young, M. D., Associate Professor of Genito-Urinary Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
George Walker, M. D., Associate in Surgery.
Richard H. Follis, M. D., Associate in Surgery.
Frederick H. Baetjer, M. D., Associate in Surgery, in Charge of Actinographic Department.
John T. Geraghty, M. D., Associate in Genito-Urinary Surgery.
Charles M. Remsen, M. D., Instructor in Surgery.
N. E. B. Iglehart, M. D., Instructor in Surgery.
Omar B. Pancoast, M. D., Instructor in Surgery.
William A. Fisher, M. D., Instructor in Surgery.
J. Staige Davis, M. D., Instructor in Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Bertram M. Bernheim, M. D., Assistant in Surgery.
Samuel J. Crowe, M. D., Assistant in Surgery.
Conrad Jacobson, M. D., Assistant in Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.

The teaching is in the dispensary, in the wards and operating rooms of the Hospital, in the clinical laboratory and in the Hunterian Laboratory of Experimental Medicine.

An elective course is given in the third trimester of the second year, the object of which is to familiarize the students by means of demonstrations and practical exercises with certain points in surgical technique.

The principal subjects of the third year are the general principles of surgery, surgical diagnosis, surgical pathology and operative surgery.

I. Clinics. A weekly clinic is given by Professor Halsted for students in the third and fourth years.

Two clinics weekly are given by Professor Finney for the third year class.

II. Minor Surgery. Professor Finney, with the assistance of Dr. Follis, Dr. Walker and Dr. Iglehart. Twice weekly, in sections, in the dispensary.

III. Surgical Diagnosis and Pathology. Professor Bloodgood, Wednesday, 2-4.30, entire year, whole class. Friday, elective course, 2-4.30 p. m. See special announcement for elective courses, third and fourth years.

IV. Operative Surgery. Professor Cushing. Elective, once weekly from October to May. A five-hour exercise given to successive sections in the Hunterian laboratory.

V. Recitations. A weekly recitation upon assigned subjects is held by Dr. Follis.

The work of the fourth year consists of:

I. Ward Work. The members of each of the three groups, into which the class of the fourth year is divided, serve for three months in the surgical wards of the Hospital. During this service they take the histories of cases and act as surgical dressers. They witness and assist at operations and have practice in operative surgery.

II. Ward Classes. The students make the morning and other visits to the wards, where they receive bedside instruction.

III. Clinics. A weekly clinic, by Professor Halsted, Friday, 12 m. to 1 p. m.

IV. Surgical Operating Room. To each group of fourth-year students the privileges of the private operating room are extended for three months. Operations take place, as a rule, daily in this room.

V. Surgery of the Nervous System. Professor Cushing. A weekly ward visit, clinic or lecture, with opportunities for seeing and assisting at neurological operations.

VI. Genito-Urinary Surgery. Professor Young. (For details, see page 159.)

VII. Recitations. Professor Bloodgood. Tuesday, 11 to 12 m. (entire group).

VIII. Orthopedic Surgery. Professor Baer. (For details, see p. 163.)

GRADUATE COURSES

Special Courses

Surgical Pathology. Professor J. C. Bloodgood.

Graduate physicians can enter the Surgical Pathological Laboratory at any time for special instruction in Surgical Diagnosis and in the technique of frozen sections and the preparation of Kaiserlin specimens. The work is so arranged that they can spend all or half of the entire time of each day. The fee is $100.

Orthopedic Surgery. Dr. W. S. Baer, May 15 to July 15. Monday, Wednesday, Thursday and Saturday, 10 to 12 m. (Limited to ten.) Fee, $50.

A course will be given in the Orthopedic Dispensary from 10 to 12 m. on the days noted, in which the students will be given practical work in the diagnosis and treatment of orthopedic affections. Ward rounds covering this class of cases will be made from 9 to 12 on Monday mornings. Special opportunities as they occur at this and other hospitals will be announced during the course, so that students may be able to witness orthopedic operations.

Genito-Urinary Surgery. Dr. H. H. Young. Fee, $100.

A limited number of graduates will be taken for special work in Genito-Urinary Surgery. The course will include clinical and laboratory work, and the student is expected to give his entire time, or most of it, to the department, and to enter for six months or more. Research studies will be encouraged.

X-Ray Diagnosis and Therapeutics. Dr. F. H. Baetjer. This course is given three times during the year, as follows: Course I, October 15 to December 15; Course II, January 15 to March 15; Course III, April 15 to June 15. (Limited to five in each course.) Fee for each course, $50.

Each course will consist of daily demonstrations from 11 a. m. to 12.30 p. m., and the aim of the course is to give a practical knowledge of the construction and manipulation of the X-ray apparatus, and its use in diagnosis and treatment.

Obstetrics

J. Whitridge Williams, M. D., Professor of Obstetrics.
J. Morris Slemons, M. D., Associate Professor of Obstetrics.
Karl M. Wilson, M. D., Instructor in Obstetrics.
John M. Bergland, M. D., Assistant in Obstetrics.
Solon A. Dodds, M. D., Assistant in Obstetrics.
Henry A. Stephenson, M. D., Assistant in Obstetrics.

The instruction in Obstetrics is given in the third and fourth years. The third year work is obligatory and must be taken by all students, while that of the fourth year is elective.

THIRD YEAR

In this year five hours a week are devoted to the subject, and the time is divided as follows:

I. Recitations or Exercises with the Manikin. Thrice weekly throughout the year. In the former the general principles of obstetrics are considered, while in the latter, which are interspersed between the recitations, the technique of obstetrical examination and the various operative procedures is taught.

II. Practical Instruction. This includes the delivery of a limited number of patients in the ward, the ex-

amination of pregnant women, pelvimetry, as well as the technique of the care of the woman and child after delivery.

III. Ward classes to groups, twice weekly throughout the year.

IV. Elective laboratory courses will be given by Drs. Slemons and Bergland on Friday afternoons from 2 to 4.30, during each of the first two trimesters. In these practical instruction is given in the anatomy and histology of the generative organs, as well as in the pathology of the various diseases of pregnancy, labor and the puerperal state.

FOURTH YEAR

During this year the work is arranged in trimesters and is elective. Classes are held on Tuesday, Thursday and Friday from 9 to 12 o'clock, and patients are delivered as they fall into labor. Each practical course will be limited to ten students, and the work will be divided as follows:

I. Delivery of patients in the ward and out-patient service and opportunity to witness all operations performed in the department.

II. Ward and nursery rounds.

III. Ante- and post-partum examination of patients.

IV. Obstetrical Seminary.

V. Practical instruction in contracted pelves.

VI. A practical and laboratory course on the metabolism of pregnancy and its abnormalities.

VII. A practical and laboratory course on the diseases and feeding of the newly born child.

VIII. Obstetrical pathology (elective). Drs. Slemons and Bergland.

A credit of 1½ units will be allowed for the regular class work, and an additional unit to such students as may deliver 10 or more patients in the out-door service.

GRADUATE COURSE

University Course

OBSTETRICS, *Advanced.* A limited number of physicians will be received for advanced instruction during the academic year. Those intending to enter upon this work should apply to Professor Williams stating the character of the work they desire and their qualifications for undertaking it.

GYNECOLOGY

HOWARD A. KELLY, M. D., Professor of Gynecology.
WILLIAM W. RUSSELL, M. D., Associate Professor of Gynecology.
THOMAS S. CULLEN, M. B., Associate Professor of Gynecology.
GUY L. HUNNER, M. D., Associate in Gynecology.
ELIZABETH HURDON, M. D., Associate in Gynecology.
CURTIS F. BURNAM, M. D., Associate in Gynecology.
EDWARD H. RICHARDSON, M. D., Instructor in Gynecology.
JOHN A. SPERRY, M. D., Instructor in Gynecology.
FLORA POLLACK, M. D., Assistant in Gynecology.

Gynecological instruction is given to third and fourth year students and also in part to graduates.

The courses of the third year are obligatory to the entire third year class, while the courses of the fourth year are elective.

The third year course consists of:

1. Gynecological diagnosis. One hour a week for four months, for each section, for physical examinations and demonstrations in the operating room. Dr. Russell.

2. A lecture, pathological demonstration, or recitation once a week throughout the year. Drs. Russell, Cullen, Hunner and Hurdon.

The fourth year courses are:

1. Ward Rounds twice a week, bed-side instruction and demonstrations. Professor Cullen.

2. A limited number of students are allowed to assist in the work of the dispensary under the charge of Drs. Sperry and Pollack. 2.30 to 4.30 p. m., daily.

3. Practical Cystoscopy in women is taught from 2.30 to 4.30 p. m., three days a week by Drs. Hunner and Burnam. The number taking the course is limited.

4. A major course, including ward rounds, examinations of etherized patients, opportunity to see operations and learn operating room technique, lectures, demonstrations and recitations, is offered to each section of the fourth year class in turn. Professors Kelly and Cullen and Dr. Burnam.

5. A special course in Gynecological Pathology limited to fourth year students. Professor Cullen and Dr. Hurdon.

6. Lectures in gynecological physiology and pathological physiology for fourth year students. Dr. Burnam.

7. Graduates in medicine are welcomed at all the regular clinics throughout the year upon presenting their cards.

8. Gynecological Pathology. This embraces a thorough study of all diseases of the pelvic structures. Special attention is given to the examination of scrapings. Professor Cullen and Dr. Hurdon.

9. Cystoscopic Examinations. (Limited to six.)

Fifteen clinics covering the entire subject of diseases of the urinary tract in women. Demonstrations of the newer instruments used in urinary work. This course is for beginners in cystoscopy. Dr. G. L. Hunner.

GRADUATE COURSES

University Course

Gynecological Pathology, *Elementary.* (Limited to five students.) Drs. T. S. Cullen and E. Hurdon.

The work in this course begins October 1 and extends through one trimester. The class meets Tuesday after-

noons, 2 to 4.30 p. m. Fee $50.00. Applications for this course should be sent to the Registrar not later than September 15.

Special Courses

Gynecological Pathology. Dr. T. S. Cullen or Dr. E. Hurdon, during March and April, Tuesday, 2 to 4.30 p. m., pathological laboratory. (Limited to ten.) Fee $50.00.

A course in the diagnosis of uterine scrapings. All pathological conditions of the cervix and body of the uterus that could be mistaken for cancer are discussed, and special consideration is given to the early diagnosis of cancer of the uterus. The methods of obtaining and examining pieces of uterine tissue are given in detail.

Cystoscopic Examinations. Drs. G. L. Hunner and C. F. Burnam, Tuesday and Thursday, 2 to 4 p. m. May 9 to June 29, inclusive. (Limited to six.) Fee $50.00.

Fifteen clinics covering the entire subject of diseases of the urinary tract in woman. Demonstrations of the newer instruments used in ordinary work. This course is for beginners in cystoscopy.

Gynecology. This commences May 15 and ends July 1st. Operative clinics will be given daily except Friday. This will be conducted by Drs. Kelly, Russell, T. S. Cullen and the resident gynecologist. Between operations the various cases will be thoroughly discussed. Two mornings a week the members of the group will be allowed to make ether examinations. Ward rounds will be made twice weekly from nine to ten. These will include the discussion of the differential diagnosis, preparations for operation, post-operative treatment, post-operative complications. Each afternoon from two to four one member of the group will assist the dispensary staff. Here history taking, pelvic and abdominal examinations without anæsthesia and medical gynecology will be discussed. Course limited to twelve. Fee $50.00.

Dermatology

T. Caspar Gilchrist, M. D., Clinical Professor of Dermatology.
J. Williams Lord, M. D., Clinical Professor of Dermatology.
Edgar R. Strobel, M. D., Instructor in Dermatology.
Isaac R. Pels, M. D., Assistant in Dermatology.

The instruction in this department consists in the following elective courses offered to students in the fourth year:

Minor Course

I. Daily work in the dispensary, 2 to 3.30 p. m., for one-half trimester or alternate days during one whole trimester.

II. Weekly clinical lectures on Tuesdays at 3.30 to 4.30 p. m.

Major Course

I. Daily work in the dispensary from 2 to 4.30 p. m. through one trimester.

II. Weekly clinical lectures on Tuesdays, 3.30 to 4.30 p. m. throughout the year.

III. A course in the pathology and bacteriology of the common cutaneous diseases.

IV. Opportunities are given to do research work.

GRADUATE COURSE

Special Course

Dermatology. An opportunity is given to obtain practical instruction in dermatology during the academic session.

I. Practical work in the dispensary, daily, 2 to 4 p. m., for one or more trimesters.

II. A course in the pathology and bacteriology of the common cutaneous diseases. Fees on application.

Diseases of Children

William D. Booker, M. D., Clinical Professor Emeritus of Pediatrics.
Samuel Amberg, M. D., Associate Professor of Pediatrics.
J. H. M. Knox, Ph. D., M. D., Associate in Pediatrics.
Richard A. Urquhart, M. D., Instructor in Pediatrics.

The instruction consists in the following elective courses offered during the fourth year.

Minor Course

I. A weekly clinic, or lecture, Monday, 12 to 1, for one trimester.

II. Daily work in the dispensary, 10 to 12 m., for one-half of a trimester or alternate days for one whole trimester, for each section. Students are required to act as clinical clerks and to discuss the diagnosis and treatment of patients assigned to them. Cases of special interest are presented to all the students of the section for examination.

Major Course

I. Weekly clinic or lecture, Monday, 12 m. to 1 p. m., throughout the year.

II. Daily work in the dispensary, 10 a. m. to 12 m., for one trimester.

Course on Feeding of Infants. An elective course on Infant feeding, Dr. S. Amberg. Wednesdays, 3.30 to 4.30 p. m., during first trimester.

GRADUATE COURSE

Special Course

Pediatrics. Dr. S. Amberg, June 1 to July 1, daily from 11 to 12, Dispensary. (Limited to eight.) Fee $50.00.

The participants are expected to examine patients personally under supervision. The course will include lectures on infant feeding.

Diseases of the Nervous System

Henry M. Thomas, M. D., Clinical Professor of Neurology.
Edward M. Singewald, M. D., Instructor in Neurology.
G. Lane Taneyhill, Jr., M. D., Instructor in Neurology.
Charles M. Byrnes, M. D., Instructor in Neurology.

The course is given during the third year and the work consists of the following required courses:

I. Practical work in the dispensary. The class is divided into four sections and each section works in the neurological dispensary from 10 to 12 on one morning of each week throughout the year.

II. Recitation or clinic. Tuesday, 11 a. m. to 12 m.

III. Recitation or clinic. Wednesday, 9 a. m. to 10 a. m. after April 1.

The following elective courses are offered during the fourth year:

I. Nervous dispensary. Daily, 10 to 11 a. m., repeated each trimester.

II. Nervous diseases. Tuesday and Thursday, 12 m. to 1 p. m., repeated each trimester.

Genito-Urinary Surgery

Hugh H. Young, M. D., Associate Professor of Genito-Urinary Surgery.
John T. Geraghty, M. D., Associate in Genito-Urinary Surgery.

During the fourth year Professor Young and Dr. Geraghty conduct the following elective courses:

Minor Course

I. Practical work in the dispensary, daily from 10 a. m. to 12 m., for one-half trimester or alternate days for one whole trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., for one trimester.

Major Course

I. Practical work in the dispensary, daily from 10 a. m. to 12 m., for one trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., throughout the year.

III. Pathology of the genito-urinary tract, twice weekly, 9 to 10 a. m.

For courses for graduates see under department of Surgery.

Laryngology and Rhinology

John N. Mackenzie, M. D., Clinical Professor of Laryngology and Rhinology.

Mactier Warfield, M. D., Instructor in Laryngology and Rhinology.

Franklin Hazlehurst, M. D., Assistant in Laryngology and Rhinology.

The work consists of the following elective courses offered during the fourth year:

Minor Course

I. Practical work in the dispensary, daily from 2 to 3.30 p. m., for one-half trimester or alternate days for one whole trimester.

II. Weekly lecture, Monday, 3.30 to 4.30 p. m., throughout the year.

Major Course

I. Practical work in the dispensary, daily from 2 to 4.30 p. m., for one trimester.

II. Weekly lecture, Monday, 3.30 to 4.30 p. m., throughout the year.

During the third year a course in laryngoscopy is given on Thursday from 4.30 to 5.30 p. m., throughout the year, as a preparation for the work of the fourth year in the laryngological clinic. This is a required course.

Ophthalmology and Otology

Samuel Theobald, M. D., Clinical Professor of Ophthalmology and Otology.

Robert L. Randolph, M. D., Associate Professor of Ophthalmology and Otology.

James J. Mills, M. D., Instructor in Ophthalmology and Otology.

Hedley V. Tweedie, M. D., Assistant in Ophthalmology and Otology.

I. Daily clinics are given in the dispensary by Professors Theobald and Randolph. Each of the sub-sections into which the fourth year class is divided attends these clinics for from five to six weeks. Owing to the small number of students comprising the separate groups the opportunities thus afforded of acquiring a practical knowledge of the diseases of the eye and ear are exceptionally valuable.

II. The major course in Ophthalmology and Otology comprises, besides greater clinical advantages—including the privilege of attendance upon the clinics of Professor Theobald at the Baltimore, Eye, Ear and Throat Charity Hospital—instruction in operative surgery of the eye and ear, in the determination of errors of refraction, the optometric use of the ophthalmoscope, skiascopy, and the more refined methods of diagnosing aural maladies.

III. Weekly lecture, Thursday, 3.30 to 4.30 p. m., throughout the year, Professor Theobald.

IV. During the third year a preparatory course in ophthalmoscopy is given by Dr. Mills.

GRADUATE COURSE

CLINICAL OPHTHALMOLOGY, INCLUDING OPHTHALMOSCOPY. A practical course in the diagnosis and treatment of the commoner diseases of the eye, with instruction in the use of the ophthalmoscope, the examination of the anterior structures of the eye by oblique illumination, etc. Dr. Mills, June 1 to July 1, Monday, Wednesday and Friday, 3 to 4 p. m. (Limited to ten.) Fee $25.00.

This course is intended for general practitioners.

PSYCHIATRY

HENRY M. HURD, M. D., Professor Emeritus of Psychiatry.
ADOLF MEYER, M. D., LL. D., Professor of Psychiatry.
HENRY J. BERKLEY, M. D., Clinical Professor of Psychiatry.
CLARENCE B. FARRAR, M. D., Associate in Psychiatry.
W. RUSH DUNTON, JR., M. D., Instructor in Psychiatry.

The instruction in psychiatry is given in the fourth year and includes the following courses:

LECTURES AND DEMONSTRATIONS. *First trimester.* Dr. Dunton. Tuesdays, 12 to 1 p. m., throughout the trimester. Voluntary. Dr. Berkley, Wednesdays, 12 to 1 p. m., Oct. 13 to Nov. 17. Required.

CLINICAL LECTURES. *First trimester.* Dr. Berkley. City Detention Hospital, Bay View, Saturdays, 3.30 to 5 p. m., Nov. 20 to Jan. 1. Required.

Second trimester. Dr. Farrar. Sheppard-Pratt Hospital, Towson, Saturdays, 3.30 to 5.30 p. m., throughout the trimester.

Since no other arrangements for teaching at the Bay View Asylum could be effected, the courses of Dr. Meyer will be announced later, as they depend on the progress and completion of the Henry Phipps Psychiatric Clinic and the organization of its laboratories.

Orthopedic Surgery

William S. Halsted, M. D., Professor of Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.

Instruction in Orthopedic Surgery is given throughout the fourth year by Dr. Baer, assisted by Drs. Fayerweather and Ashbury.

Obligatory Work:

I. Ward rounds, once weekly throughout the year, for the surgical section.

II. Clinical instruction for sub-sections of the surgical group given three times a week, Monday, Wednesday and Saturday, from 10 a. m. to 12 m.

III. Operative clinic, Wednesday, 10-12.

Elective Courses

I. A clinical lecture or recitation is given once weekly, throughout the entire year, on Thursdays, from 12 m. to 1 p. m.

II. Dispensary clinic is held on Mondays, Wednesdays and Saturdays from 10 a. m. to 12 m.

III. Lateral Curvature Course is given on Tuesday mornings and Saturday afternoons, equal to six hours.

For courses for graduates see under department of Surgery.

Instruction in Art as Applied to Medicine

Max Broedel, Associate Professor of Art as applied to Medicine.

A. Courses for Medical Students.

1.) A course of lectures to first year class one hour a week during the first trimester. This course is intended

to give general instruction in the elementary principles of drawing and sketching as an aid to the study of medicine.

2.) A short course in artistic anatomy to be given during the second trimester. The purpose of this course is to supplement the study of the cadaver in the dissecting room.

3.) A course in actual drawing open to students of the four classes, to research workers and to members of the faculty for two hours twice a week throughout the year. This course will be limited to 12 students. The work will first deal with the exact study of the plastic representation of medical objects of all kinds. Later on this will lead to the study of diagrammatic drawings and sketches useful in taking medical histories or illustrating lectures with blackboard sketches. Lastly a suitable technique for making medical illustrations for publication will be taught.

4.) Research workers who require pictorial representation of their research will be taught the principles of making such drawings.

B. Courses for Artists and Art Students.

1.) Special instruction to medical illustrators who desire to take up advanced work in a particular branch. The fee will depend on the length of the course and the character of the instruction. Minimum fee $25.00. Such courses may be taken at any time during the academic year.

2.) A regular course for beginners. This course will continue during the entire day throughout the academic year (Oct. 1st to May 31st). Applicants who are not graduates of an art school must submit samples of their artwork. The duration of the whole course will of necessity depend on the talent of the individual, the average term, however, not exceeding two years. The fee is

$100.00 a year. Drawings of especial merit may be accepted and utilized by the Department for publication and as a practical test of the artist's ability. Although such drawings become the property of the school, the student will receive several printed proofs after publication. All drawings and sketches not so honored will remain the property of the student.

The above course will be as follows:

a.) Anatomical studies of the skeleton, muscles and viscera from the standpoint of the medical illustrator. Everything studied is sketched or drawn.

b.) Studies of fresh material at autopsies combined with microscopic studies of the various tissues in health and disease. A number of accessory methods will be employed in studying fresh tissues.

c.) Studies of hardened specimens from the various pathological collections combined with the study of the texture of the individual structures of the body.

d.) Based on the foregoing the student is ready to study the pictorial representation of physical examinations, various kinds of treatment and the different steps in surgical operations.

e.) Stress will be laid on the correct attitude of the medical illustrator toward problems in medical research and toward the conception of a medical illustration in general as an aid to the text and also as a work of art.

f.) Parallel with and supplementing these studies will be instructions and demonstrations in the various techniques suitable for medical illustrations intended for publication. These are:

1.) Halftone drawings in crayon, etc.—Mixed technique.
2.) Watercolor painting.
3.) Line drawings in pen and ink. Diagrams.
4.) Charts for class demonstrations.

g.) Studies of the various methods of reproduction from the standpoint of the illustrator.

Hygiene

William W. Ford, M. D., D. P. H., Associate Professor of Hygiene and Bacteriology.
Lloyd P. Shippen, M. D., Assistant in Hygiene and Bacteriology.

The instruction in Hygiene consists of:

1. A required course of lectures given to the students of the third year on two afternoons a week during the third trimester. These lectures take up such topics as vital statistics: climate, meteorology, soil, ventilation, sewage and sewage disposal, water supplies, filtration, milk supplies, and tropical diseases.

Especial attention is also paid to the subject of the in fectious diseases, their manner of spread and the proper methods of controlling them. Diphtheria, Tuberculosis, Small-pox, etc., being considered in detail.

2. An optional laboratory course in Hygiene given during the second or third trimester and open to any students who have finished satisfactory courses in Bacteriology. This course occupies two half days a week, and takes up the chemical and bacteriological analysis of water, milk, sewage and certain food stuffs. Weekly inspections are also made of institutions of Public Health importance in Baltimore and Washington, such as the Baltimore Sewage Disposal Plant, the City Board of Health, the State Board of Health, the Walker-Gordon Dairy Farm, the Water Shed which supplies Baltimore City with water, the Washington Filtration Plant, and the Hygienic Laboratory of the Public Health and Marine Hospital Service.

3. Special Investigation. A limited number of students are taken into the laboratory for advanced work in Hygiene and Bacteriology. These individuals are given special problems to work out independently or in connection with the instructors in the department. Special facilities will be offered medical graduates who desire to

train themselves in the Laboratory Methods necessary for work in Public Health.

Medical Zoölogy

Charles Wardell Stiles, Ph. D., D. Sc., Lecturer on Medical Zoölogy and Professor of Zoölogy to the U. S. Public Health and Marine Hospital Service.

Instruction in Medical Zoölogy is given to students of the third and fourth years by Dr. Stiles. It consists of a course of twenty lectures on the medical relations of animals to man (animal parasites, animals as transmitters of disease, poisonous snakes, etc.); ten lectures are given each year, illustrated with numerous charts, lantern slides, and specimens, and supplemented by practical laboratory exercises in studying both live and preserved parasites, examining meat for trichinosis and in the diagnosis of various zoöparasitic diseases by microscopic examination of fæces. The parasites are studied from the standpoints of zoölogy, practical medicine, and public health.

Legal Medicine

William W. Ford, M. D., Lecturer in Legal Medicine.

The instruction in this department is given in the third and fourth years. The lectures are intended to instruct the students not only in the actual facts of applied medicine which constitutes the basis of the work of the medico-legal practitioner, but also in the duties of the medical expert witness and his relations to his client and to the court.

The lectures deal with sexual transgressions, abortion, infanticide, &c., with the circumstances attendant upon violent death in its various forms and with injuries of all sorts mechanical and chemical, and with the medico-legal relations of insanity.

Especial attention is directed to the methods of investigation and protocol writing in such cases, and to the technical means by which suspected marks, stains and traces of all sorts may be recognized. Instruction as to the character of medical evidence which is useful and admissible in court and as to its presentation, is emphasized.

History and Literature of Medicine

The Historical Club meets once a month throughout the academic year in the medical amphitheatre of the Hospital. Old and rare or otherwise historically interesting books are exhibited and the history of medical doctrines, of epochs in medicine and of the lives and contributions to knowledge of eminent medical men, and other themes pertaining to the history of medicines are considered. Many students avail themselves of the stimulating and educational advantages afforded by the meetings of this Club.

Special Lectures

From time to time, as opportunity offers, short courses of special lectures or demonstrations upon selected topics are given either by specially appointed lecturers or by members of the teaching staff.

SCHEDULE OF COURSES AS ARRANGED FOR THE SESSION OF 1911-1912

In order to exhibit as completely as possible the details of the work of the Medical Department, the general schedules furnished to the students for the session of 1911-12 are reproduced. In the fourth year special schedules for the medical and surgical sections are arranged by the heads of departments. No alterations in the arrangement of the general schedules are permitted unless authorized by the Advisory Board of the Medical Faculty.

THE JOHNS HOPKINS

SCHEDULE FOR THE

	MONDAY.	TUESDAY.
FIRST TRIMESTER.	9-12. Anatomy, I. 12-1.† Anatomy, VII.	9-12. Anatomy, I. 12-1.† Anatomy, VI.
	2-5. Histology.	1.30-5.† Drawing as Applied to Medicine.
SECOND TRIMESTER.	9-12. Anatomy, II.	9-12. Anatomy, II. 12-1.† Anatomy, VI.
	2-5. Electives.	1.30-5.† Drawing as Applied to Medicine. 2-5.† Neurology.
THIRD TRIMESTER.	9-12. Bacteriology Laboratory. 12-1. Bacteriology Recitation	9-10. Physiology Lecture. 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.
	2-3. Physiol. Chem. Lecture. (A and B.)	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.

EXPLANATORY NOTE.—**Elective courses are indicated by a dagger, all othe courses are required.** To enter upon the work of the 3rd year a student will b required to show credits for 30 units of work, including all of the obligatory courses, s that during the first two years each student is advised to take 5 units in eac trimester. By a unit is meant a course of instruction (or a group of courses equivalent to 5 hours of work a week for a trimester. The elective courses afte

ıEDICAL SCHOOL.

'IRST YEAR, 1911-1912.

WEDNESDAY.	THURSDAY.	FRIDAY.
9-12. Anatomy, I. 12-1†. Lecture Course in Art.	9-12. Anatomy, I. 12-1.† Organic Chemistry (Lecture).	9-12. Anatomy, I. 12-1.† Organic Chemistry (Lecture).
2-5. Histology.	2-3. Histology (Lecture).	2-5. Histology.
9-12. Anatomy, II. 12-1. Physiology (Lecture).	9-12. Anatomy, II. 12-1. Physiology (Lecture).	9-12. Anatomy, II. 12-1. Physiology (Lecture).
2-3.† Neurology (Lecture). Anatomical Studies on the Living.† Lecture.	2-5.† Neurology.	2-3.† Neurology (Lecture).
9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B.)	9-10. Physiology Lecture. 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B.)
2-3. Bacteriology Lecture.	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	2-3. Bacteriology Lecture.

hey have been selected must be completed satisfactorily, and a record will be kept f the results for such courses as in the case of the required work.

Special permission must be obtained to take more than 6 units in a trimester.

Students who are permitted to undertake investigation in any department will eceive appropriate credit for the work.

THE JOHNS HOPKINS

SCHEDULE FOR THE

	MONDAY.	TUESDAY.
FIRST TRIMESTER.	9-11. *Electives 11-12. Autopsies 12-1. Pathology (Recitation).	9-10. Physiology (Lecture) 10-1. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.
	2-5. Pathology Laboratory.	2-5. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.
SECOND TRIMESTER.	9-10. Pharmacology 10-12. *Electives 11-12. Autopsies 12-1. Pathology (Recitation).	9-10. Pharmacology 10-1. *Electives. 12-1. Demonstration of Autopsy Material. (Section).
	2-5. Pathology Laboratory.	2-5. *Electives, 1.30-5. Drawing.†
THIRD TRIMESTER.	10-12. Group II—Med. Dispensary Group IV—Phys. Diag. Group I—Regional Anatomy	9-10. Demonstration of Autopsy Material. 10-1. Group I—Med. Dispensary Group III—Phys.-Diag. Group II—Regional Anatomy
	2-5. Introductory to Medicine.	2-5. Practical Hygiene (Elective).

Autopsies—according to special announcement. When material is ready, the Autopsies will be performed at this hour.

*Electives or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Experimental Pathology, Hygiene, Physiological Chemistry, Toxicology, Pharmacology and Preparatory Surgery.

MEDICAL SCHOOL.

SECOND YEAR, 1911-1912.

WEDNESDAY.	THURSDAY.	FRIDAY.
9-11. *Elective 11-12. Autopsies 12-1. Demonstration of Autopsy Material. (Section).	9-10. Physiology (Lecture) 10-1. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.	9-11. *Electives 11-12. Autopsies 12-1. Demonstration of Autopsy Material. (Section).
2-5. Pathology Laboratory.	2-5. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.	2-5. Pathology Laboratory.
9-10. Pharmacology 10-1. *Electives. 11-12. Autopsies	9-10. Pharmacology 10-1. *Electives. 12-1. Demonstration of Autopsy Material. (Section).	9-10. Pharmacology 10-11. *Electives 11-12. Autopsies
2-5. Pathology (Laboratory).	2-5. *Electives.	2-5. Pathology (Laboratory).
9-10 Medicine Lecture. 10-12. Group II—Physical Diag. Group IV—Med. Disp. Group III—Regional Anatomy.	9-10. Demonstration of Autopsy Material 10-11. Elective Surgery.	10-12. Group I—Phys.-Diag. Group III—Med. Disp. Group IV—Regional Anatomy.
2-5. Preparatory Surgery (Elective).	2-5. Practical Hygiene (Elective).	2-5. Preparatory Surgery (Elective).

EXPLANATORY NOTE.—To enter upon the work of the 3rd year a student will e required to show credits for 30 units of work, including all the obligatory ourses, so that during the first two years each student is advised to take 5 units in ach trimester. By a unit is meant a course of instruction (or a group of courses) quivalent to 5 hours of work a week for a trimester. The elective courses after ey have been selected must be completed satisfactorily, and a record will be kept f the results for such courses as in the case of the required work.

THE JOHNS HOPKINS

SCHEDULE FOR THE

MONDAY.	TUESDAY.	WEDNESDAY.
9-10. Obstetrics (Operations).	9-10. Group I.—Gynecology 1st half year. Group II.—Obstetrics 1st half year. Group II.—Gynecology 2nd half year. Group I.—Obstetrics 2nd half year. Groups III and IV Morbid Anatomy, October to Christmas.	9-10. Surgery (Recitation) Dr. Follis To April 1. Nervous Diseases (Recitation) After April 1.
10-12. Group I. Surgical Disp. *Group II. Medical Disp. Group III. Nervous Disp. *Group IV. Physical Diagnosis.	10-11. First and Second Trimester Gynecology (Recitation) Third Trimester Gynecological Pathology. 11-12. Neurology, Clinic or Recitation.	10-12. Group III. Surgical Disp *Group IV. Medical Disp Group I. Nervous Disp *Group II. Physical Diagnosis.
12-1. Medical Clinic Dr. Futcher.	12-1. Surgical Clinic Dr. Finney.	12-1. Medical Clinic Dr. Barker.
2-3. Clinical Microscopy Recitation and Demonstrations (Oct. to March 15) 3-4. Pharmacy (October to January) 3-4. Practical Therapeutics Medical Amphitheatre (After January 1.)	2-4.30. Clinical Microscopy (Laboratory). Oct. to March 15. Mar. 15 to June 1. 2-3 Hygiene (Lecture) Required. Third Trimester— Elective. 1.30-5 Drawing. 2-4.30. Clinical Microscopy. (½ Trimester) 2-3. Third Trimester— Psychiatry Clinic.	2-3. Surgical Pathology Clinic and Demonstration (Three Trimesters) 3-4.30 Surgical Pathology (Laboratory). Elective Group Work or Special Wo ½ to 1½ units.
4-5.30. Ophthalmoscopy (In groups)	2-5. Hygiene— Elective (Lecture and Laboratory) — 1 unit. (Third Trimester) 4.30-5.30. Medicine (Recitation). Oct. to Jan. 1.	4.30-5.30. Medicine (Recitation) Jan. 1 to June 1. Medical Zoology. First Trimester.

Unit equals 66 hours.
6 hours a week for 1 term.
2 hours a week for 1 year.
Students must take 1½ units of work during the year in these or other electi courses during these hours.

MEDICAL SCHOOL.

THIRD YEAR, 1911-1912.

THURSDAY.	FRIDAY.	SATURDAY.
9-10. Group III.—Gynecology 1st half year. Group IV.—Obstetrics 1st half year. Group IV.—Gynecology 2nd half year. Group III.—Obstetrics 2nd half year. Groups I and II.—Morbid Anatomy. October to Christmas.	9-10. Obstetrics (Recitation)	9-10. Obstetrics (Recitation)
10-12. Group II. Surgical Disp. *Group I. Medical Disp. Group IV. Nervous Disp. *Group III. Physical Diagnosis.	10-11. Surgical Clinic Dr. Finney. 11-12. Physical Diagnosis (Recitation). Dr. Futcher.	10-12. Group IV. Surgical Disp. *Group III. Medical Disp. Group II. Nervous Disp. *Group I. Physical Diagnosis.
12-1. Medical Clinic Dr. Thayer.	12-1. Surgical Clinic (3d and 4th years) Dr. Halsted.	12-1. Medical Clinic (3d and 4th years) Medical Amphitheatre Dr. Barker.
2-4.30. Clinical Microscopy (Laboratory) October to March 15. Mar. 15 to June 1. 2-3 Hygiene (Lecture) Required. Third Trimester— Elective. 2-4.30. Clinical Microscopy (½ Trimester) Medicine = ½ unit.	Elective. 11-5. Operative Surgery, in Groups — 1 unit. (Repeated each trimester.) 2-4.30. Surg. Pathology (year) — 1½ unit. Obstet. Pathology 1 Tri. = ½ unit. (Repeated two Trimesters) Medicine (year = 1 unit.) Clinical Pathological Conference 4.30 P. M. 1 Tri. = 1-6 unit. (Repeated each trimester) Practical Pharmacy 2nd Trimester = ½ unit.	
2-5. Hygiene— Elective (Lecture and Laboratory) = 1 unit. (Third Trimester) 4.30-5.30. Laryngoscopy (Required)		

*In the third trimester Groups II and IV will go to the City Hospital, Bay View, on Monday and Wednesday from 10:30 A. M. to 1 P. M., and Groups I and III, on Thursday and Saturday, at the same hour.

SCHEDULE FOR THE FOU

Medical Section.....
Surgical Section.....
Elective Section.....

MEDICAL SECTION. Medical Wards, Dispensary and Laboratories, 8.30 A. M. to 12 M., and 2 to 4.30 P. M. = 6 units.

SURGICAL SECTION. Surgical Wards, Ward Visits, Operating Room and Laboratories (entire Section), 9 A. M. to 12 M. = 3 units.
Recitation in Surgery, Friday, 9 A. M. (entire group).
Elective Courses, afternoons, 2-4.30.

12-1. LECTURES

	MONDAY.	TUESDAY.	WEDNESDAY.
First Trimester. October to Christmas.	(a) Medical Clinic. Dr. Futcher. (b) Diseases of Children. Dr. Amberg. (c) Genito-Urinary. Dr. Young.	(a) Surgical Clinic. Dr. Finney. (b) Relations of the Autonomic Nervous System to Visceral Diseases. Dr. Barker. (c) Nervous Diseases. Dr. Thomas.	Psychiatry. (11 lectures). Medical Zoology. (10 lectures). 4.30-5.30.
Second Trimester. January to March 15.	(a) Dr. Futcher. (b) Dr. Knox. Acute Gastro-Intestinal Diseases. (c) Dr. Young. Genito-Urinary.	(a) Dr. Finney. (b) Dr. McCrae. Medical Aspects of Joint Diseases. (c) Dr. Thomas.	Legal Medicine.
Third Trimester. March 15 to June.	(a) Dr. Futcher. (b) Dr. Hamman. Clinic in Pulmonary Diseases. (c) Dr. Young.	(a) Dr. Finney. (b) Dr. Hamburger. Minor Ailments. (c) Dr. Thomas.	Medical Ethics. (2 lectures). Hygiene.

The courses on Wednesday, Friday and Saturday are obligatory, and continue throughout the year. Those on other days are elective and arranged in Trimesters

ELECTIVE

MORNINGS.

Surgical Diagnosis and Pathology. Dr. Bloodgood. 12 students. Wednesday and Friday	8-9 = ½ to 1	U
Surgical Diagnosis and Pathology. Special work. Dr. Bloodgood	daily = ½ to 1½	U
Bacteriology and Pathology of G.-U. Tract. Dr. Geraghty	twice weekly 9-10 = ½	U
Children's Diseases (Major). Staff	daily 9-12 = 3	U
Experimental Pathology (Major). Dr. Whipple	daily 9-12 = 3	U
Genito-Urinary (Major). Dr. Young	daily 9-12 = 3	U
Gynecology, Monday, Wednesday and Saturday, 10 students. Drs. Kelly, Cullen and Burnam	9-12 = 1½	U
Obstetrics, Tuesday, Thursday and Friday, 10 students. Dr. Williams and Staff	9-12 = 1½ to 2½	U
Surgery (Major). Dr. Halsted and Staff	daily 9-12 = 3	U
Medical Research	daily 9-12 = 3	U
Research, other departments	daily 9-12 = 3	U
Drawing as Applied to Medicine. Mr. Brodel	Tuesday 1.30-5 = ½	U
Children's Diseases (Minor for ½ Tri.). Staff	daily 10-12 = 1	U
Genito-Urinary (Minor for ½ Tri.). Drs. Young and Geraghty	daily 10-12 = 1	U
Neurology (Minor). Dr. Thomas	daily 10-11 = 1	U
Orthopedics (3 times weekly, 1 Trimester). Dr. Baer	10-12 = 1	U
Phipps Dispensary: Elementary Course (1st Tri.) twice weekly, limited to 4 students. Drs. Wolman and Austrian	10-12 = ½	U

AFTERNOONS.

Dermatology (Major). Drs. Gilchrist and Lord (limited to 10)	daily 2-4.30 = 2½	U
Laryngology (Major). Dr. Mackenzie and Staff	daily 2-3.30 = 2½	U
Ophthalmology (Major). Dr. Theobald, Dr. Randolph and Staff.	daily 2-4.30 = 2½	U
Psychiatry (Major). Dr. Meyer and Staff	= ½	U
Medical Research	daily 2-4.30 = 2½	U
Research in other Departments	daily 2-4.30 = 2½	U

All courses extend over one Tri

Student must take 18 units in a year.

Medicine	6 units
Surgery	3 "
Obligatory afternoon exercises (Wed., Fri. and Sat.)	1 "
2 Specialties (Ophthalmology and one minor elective).	2 "
6 Elective Units	6 "
	18 units

Unit or Minor Course equals 66 hours, or
6 hours a week for 1 Trimester.
2 hours a week for 1 year.

EDICAL SCHOOL.

TH YEAR, 1911-1912.

1st Trimester. October to Christmas.	2nd Trimester. January to March 15.	3d Trimester. March 15 to June.
Group I. Group II. Group III.	Group III. Group I. Group II.	Group II. Group III. Group I.

Elective Section. Elective Courses, mornings, 9-12.
Ophthalmology (½ group for ½ Tri.) 2-3.30 P. M. = 1 unit, leaving 1½ units elective.

If Genito-Urinary, Orthopedics, Neurology, or Children be not taken in morning ours, Laryngology or Dermatology must be taken for half of Tri. from 2-3.30 P. M. = 1 nit, leaving ½ unit elective from 3.30 to 4.30.

ND CLINICS.

Thursday.	Friday.	Saturday.
) Medical Clinic. Dr. Thayer.) Orthopedics. Dr. Baer.) Nervous Diseases. Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatry. Dr. Berkeley. Oct. 22 to Jan. 1. 3.30-5.30. (Bay View).
) Dr. Thayer.) Dr. Baer.) Dr. Thomas.) Dr. Futcher. The Symptomatology and Treatment of Diseases of the Ductless Glands.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatry. (Sheppard-Pratt Hosp.) 3.30-5.30. Dr. Farrar.
) Dr. Thayer.) Dr. Baer.) Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker.

ut every student must choose one of them for each day and pursue same for entire rimester. Courses may be pursued for entire year or changed each Trimester.
Attendance on three of these elective courses for one Trimester = ½ unit.

OURSES.

ermatology (Minor for ½ Tri.). Drs. Gilchrist and Lord	daily	2-3.30 =	1 U.
ygiene, Lecture and Laboratory, (3rd Trimester)	daily	2-5 =	1 U.
aryngology (Minor for ½ Tri.). Drs. Mackenzie and Staff	daily	2-3.30 =	½ U.
ynecological Dispensary, Drs. Sperry, Richardson and Pollock, daily 2 to 4 p. m., 1 trimester, sections of two students each day		=	½ U.
ystoscopy, Drs. Hunner and Burnam, Tuesday, Thursday and Saturday, ½ Trimester (limited to 3 students)		2 to 3.30 =	½ U.
ynecological Pathology (Repeated two Trimesters). Drs. Cullen (T. S.) and Hurdon	Friday	2-4.30 =	½ U.
bstetrical Pathology. Dr. Slemons (Repeated two Trimesters)	Friday	2-4.30 =	½ U.
linical Pathological Conference. Drs. Thayer and Whipple	Friday	4.30 =	1-6 U.
aryngology (Lecture). Dr. Mackenzie (1st and 2d Trimesters)	Monday	3.30-4.30 =	1-6 U.
ynecology (Lecture). Dr. Burnam	Monday	4.30-5.30 =	1-6 U.
ermatology (Clinical Lecture). Dr. Gilchrist	Tuesday	3.30-4.30 =	1-6 U.
linics in Minor Infectious Diseases, Sydenham Hospital, (2d and 3d Trimesters). Dr. Morrill	Wednesday	3.30 =	1-6 U.
phthalmology (Lecture). Dr. Theobald	Thursday	3.30-4.30 =	1-6 U.
sychiatry (Lecture) Dr. Meyer, 2d Trimester	Friday	3.30-4.30 =	1-6 U.
xperimental Pathology (Minor). Dr. Whipple	twice weekly	2-4.30 =	1 U.
linical Microscopy (3d Trim.). Dr. Guthrie twice weekly for ½ Tri.		=	½ U.
hipps Dispensary: Advanced Course (3d Trimester). Drs. Hamman, Wolman and Austrian, twice weekly, Tuesday and Friday		10-12 =	⅔ U.
nfectious Diseases (Lecture), (2d Trimester). Dr. Clough twice weekly		4.30-5.30 =	½ U.
pecial Methods of Investigation of Infectious Diseases (2d Trimester). Dr. Clough	twice weekly	2-4.30 =	1 U.
edical Bacteriology (Lecture). Drs. Major and Austrian	once weekly	2-3 =	1-6 U.

mester, unless otherwise stated.

SUMMARY OF THE YEAR'S WORK.

Medical Group.	Wards, etc.	8.30-12
	Lecture or Clinic	12- 1
	Wards, etc.	2-4.30
Surgical Group.	Wards	9-12
	Lecture or Clinic	12-1
	Elective Work	2-4.30
Elective Group.	Elective Work	9-12
	Lecture or Clinic	12-1
	Ophthalmology. Elective Specialty (Groups alternate each Trimester)	2-3.30

ANNUAL EXAMINATIONS

The final examination in histology is held at the end of the second trimester of the first year; that in bacteriology and physiological chemistry at the end of the third trimester of the first year.

The final examination in physiology (1911-12) is held at the end of the first trimester of the second year.

Final examinations in anatomy are held at the end of each trimester for those who have completed the required work. The final examinations in pathology and pharmacology (1911-12) are held at the end of the second and third trimesters of the second year, respectively.

At the end of the third year final examinations are held in obstetrics, gynecology, nervous diseases, clinical microscopy and surgical pathology.

At the end of the fourth year final examinations are held in medicine and surgery.

In the elective courses and special branches the examinations are given to each section upon the completion of the work.

The examinations are partly written and partly oral, and may include practical tests of laboratory and clinical work. Before entering upon the clinical work of the third year a student must have obtained credits for at least thirty units of work in the courses offered during the first two years.

Conditions in the required courses must be absolved by new examinations given after an interval of one trimester or at the beginning of the session in October. No student who fails to pass in his first condition examination is permitted to continue with his class without the express authorization of the Faculty, and in any case he will not be permitted to take a second condition examination until he presents evidence of having pursued an additional course in the subject in this school or elsewhere.

The estimation of the standing of each student is based both upon the general character of his work and upon the results of examinations.

HOSPITAL APPOINTMENTS

At the close of the academic year in June twelve members of the graduating class are selected for appointment as House Officers in the Johns Hopkins Hospital to serve for one year from September first. The recommendations for these appointments are made at the end of the first trimester of the fourth year and are based upon the records of standing in all required subjects, upon evidences of special ability as shown by elective or research work and upon considerations of personal fitness. In each hospital service to which these internes are assigned one appointment may be exempted from this arrangement, the appointee being selected by the responsible head of the service from graduates of this or other schools. These appointees reside in the Hospital and become officers upon the house-staff. By action of the Board of Trustees of the Hospital these appointments are limited to unmarried students.

A certain number of externe appointments are offered to students of the graduating class in June. These appointees have the privilege of working in the dispensary. They may assist in the teaching, and may pursue advanced work and original research in the various laboratories without charge.

The appointments of the resident physician, surgeon, gynecologist and obstetrician of the Johns Hopkins Hospital are permanent ones. The first and second resident assistantships under these are annual appointments, subject to renewal.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for admission, have completed satisfactorily a four years' course of study in this Medical School. (See General Plan of Instruction, page 115.)

In every instance the candidate must have fulfilled all of the requirements for admission to this Medical School and must have completed, as a regularly matriculated or registered medical student, a four years' course of medical study, equivalent in its standards to that given here, of which the final year must be spent in this Medical School.

The degrees are publicly conferred by the Johns Hopkins University at the commencement on the second Tuesday of June, or on Commemoration Day, February the twenty-second.

CHARGES FOR TUITION

The charge for tuition is two hundred dollars per annum, payable at the Treasurer's Office or at the office of the Dean of the Medical School, in three installments, October, January and March 15. There are no extra charges for matriculation, for graduation, for instruction in any department, or for laboratory courses, except in special cases for material consumed. To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented. A deposit of ten dollars of caution money is required from each student at the time of his enrollment. The caution money is repaid to the student when he leaves, if there are no charges against

him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the Medical School Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

APPENDIX

I

ENDOWMENT

The founder of the Johns Hopkins University, in devoting his large fortune to the establishment of the University and the Hospital, had in view the organization of a school of medicine. In his letter addressed to the Trustees of the Hospital, dated March 10, 1873, these significant words occur:

"It will be your especial duty to secure, for the service of the Hospital, surgeons and physicians of the highest character and greatest skill. . . . In all your arrangements in relation to this Hospital, you will bear constantly in mind that it is my wish and purpose that the institution shall ultimately form a part of the Medical School of the University for which I have made ample provision in my will."

When the University was opened in 1876, arrangements were made for instruction in those sciences such as physics, chemistry, and biology, which lead up naturally to the professional study of medicine. In 1884 the professorship of pathology was filled and the pathological laboratory was opened. In 1899 the Johns Hopkins Hospital was opened, and the physician, surgeon, and gynecologist in chief to the Hospital were appointed to the professorships, respectively, of medicine, surgery, and gynecology and obstetrics. At the same time the professor of psychiatry was appointed. Opportunities for instruction were afforded to graduates in medicine. Ampler endowment, however, was needed to complete the organization of a medical department.

Gifts amounting to $111,731.68, most of which were offered to this University in October, 1890, by a committee of women, and an additional gift of $306,977, offered to the University in December, 1892, in addition to her previous subscriptions, by Miss Mary Elizabeth Garrett, made up, with other available resources, the amount of $500,000, which had been agreed upon by the Trustees as the minimum sum to be secured for the opening of the Medical Department. These generous contributions were made upon condition that women be received upon the same terms as men.

This endowment, added to the vailable resources of the Johns Hopkins University and the Johns Hopkins Hospital, enabled the Trustees to complete the organization of the Medical Department and to open it for instruction in 1893.

II

THE WOMEN'S MEDICAL SCHOOL FUND

At a meeting of the Board of Trustees of the University, October 28, 1890, the following letter was presented:

"The committee formed for the purpose of raising a fund to procure the most advanced medical education for women, can now place at your disposal the sum of one hundred thousand dollars for the use of your Medical School, if you will, by resolution, agree that women whose previous training has been equivalent to your preliminary medical course, shall be admitted to the school, when it shall open, upon the same terms which may be prescribed for men. There can be no doubt that women ought to be trained to act as nurses for sick women. There is as little doubt that a sufficient number of women ought to be educated and trained in such manner as to be fully able to care for sick women who may wish or ought to be treated by women. We have devoted ourselves to the furtherance of this object. We have reason to hope that a university which proposes to found a medical school intended to teach advanced methods in the treatment of those diseases which afflict mankind, will not refuse to women the opportunity of learning such methods. There is now a general interest in our movement. In order that this interest may be sustained, we ask you to consider our offer at the earliest possible period.

NANCY MORRIS DAVIS,
Chairman of the Baltimore Committee."

The following minute was adopted by the Trustees:

The President and Board of Trustees of the Johns Hopkins University have received from Mrs. Nancy Morris Davis, chairman of one of the committees formed for the purpose of raising a fund to procure the most advanced medical education for women, the gratifying intelligence that $100,000 has been raised for the use of their intended Medical School, and is at their disposal, if they will, by resolution, agree to the terms upon which the money was contributed by its donors.

The terms are that this Board, if it accepts the funds thus raised, shall agree, by resolution, that, when its Medical School shall be opened, women whose training has been equivalent to the preliminary medical course prescribed for men, shall be admitted in such school upon the same terms as may be prescribed for men.

The offer to this University of the particular fund is the free, voluntary act of women residing in this State and in other

States, made without the suggestion or solicitation of this Board, and we accept it under and subject to the terms which are made a part of the gift, with the understanding and declaration, however, that such preliminary training in all its parts be obtained in some other institution of learning devoted, in whole or in part, to the education of women, or by private tuition.

The fund so contributed shall be invested and known as "The Women's Medical School Fund," and that fund, and all interest to accrue thereon and all additions made thereto for the same purpose, shall remain invested for the purpose of increase only until, with its aid as a foundation, a general fund has been accumulated amounting to not less than $500,000, and sufficient for the establishment and maintenance of a Medical School worthy of the reputation of this University, and fully sufficient as a means of complete medical education. Then, and not until then, will a Medical School be opened by this University; and then, and not until then, will the gift now offered be used by this University; and then, and not until then, will the terms attached thereto be operative.

The utility of a training school for women nurses has been demonstrated by the experience and practice of the Johns Hopkins Hospital, and by the necessities of home life among our people.

This Board is satisfied that in hospital practice among women, in penal institutions in which women are prisoners, in charitable institutions in which women are cared for, and in private life, when women are to be attended, there are a need and place for learned and capable women physicians; and that it is the business and duty of this Board, when it is supplied with the necessary means for opening its proposed Medical School, to make provision for the training and full qualification of such women for the abundant work which awaits them in these wide fields of usefulness.

Nothing contained in this minute shall be construed as abridging, in any manner, the right of the Board of Trustees of the Johns Hopkins University to make such rules and regulations as they may deem necessary for the government of its School of Medicine, when it is organized; and in making such rules and regulations, the terms of this minute shall always be respected and observed.

III

THE MARY ELIZABETH GARRETT FUND *

TERMS OF THE GIFT, AS ACCEPTED BY THE TRUSTEES, FEBRUARY 21, 1893.

Miss Mary Elizabeth Garrett, in order to make up the sum of $500,000, which the Board of Trustees required should be secured as an endowment before the Medical School of the University was opened, has contributed to that fund the sum of $306,977 upon the following terms, which have been agreed to by the University:

1. That women shall enjoy all the advantages of the Medical School of the Johns Hopkins University on the same terms as men, and shall be admitted on the same terms as men to all the prizes, dignities or honors that are awarded by competition, examination, or regarded as rewards of merit.

2. That not more than $50,000 of the original endowment of $500,000 shall be expended on a building or buildings; and that in memory of the contributions of the Committees of the Women's Medical School Fund, this building, if there be but one, or the chief building, if there be more than one, shall be known as the Women's Fund Memorial Building.

3. That the Medical School of the University shall be exclusively a graduate school as hereinafter explained, that is to say: That the Medical School of the Johns Hopkins University shall form an integral part of the Johns Hopkins University, and, like other departments of the University, shall be under the management and control of the Trustees of the said University, that it shall provide a four years' course, leading to the degree of Doctor of Medicine; that there shall be admitted to the school those students only who, by examination or by other tests equally satisfactory to the Faculty of the Medical School (no distinction being made in these tests or examinations between men and women), have proved that they have completed the studies included in the Preliminary Medical Course (Group Three, Chemical-Biological Course) as laid down in the University Register (but this condition is not meant to restrict the Trustees from receiving as hearers, but not as candidates for the degree of Doctor of Medicine, those who have received the degree of Doctor of Medicine, or its equivalent, in some school of good repute); and that the degree of Doctor of Medicine of the Johns Hopkins University shall be given to no Doctors of Medicine who have not proved by

*So designated by the Trustees, December 24, 1902.

examination or by other tests equally satisfactory to the Faculty of the Medical School that they have completed the studies included in the Preliminary Courses, besides completing the course of instruction of the Medical School of the Johns Hopkins University.

The aforegoing provision shall not be construed as restricting the liberty of the University to make such changes in the requirements for the admission to the Medical School of the Johns Hopkins University or to accept such equivalents for the studies required for admission to this school as shall not lower the standard of admission specified in this clause; provided that the requirements in modern languages other than English shall not be diminished, and provided also that the requirements in non-medical scientific studies shall include at least as much knowledge of natural science as is imparted in the three minor courses in science now laid down in its university register, the subjects and arrangements of these scientific studies being subject to such modifications as may from time to time seem wise to its Board and to the Faculty of the Medical School, but being at all times the same for all candidates for admission. (For such requirements always see University Register.)

4. That the terms of this gift and the resolutions of October 28, 1890, by which the Trustees accepted the gift of the Women's Medical School Fund, shall be printed each year in whatever annual calendars may be issued announcing the courses of the Medical School. (See appended resolutions.)

5. That there shall be created a committee of six women to whom the women studying in the Medical School may apply for advice concerning lodging and other practical matters, and that all questions concerning the personal character of women applying for admission to the School, and all non-academic questions of discipline affecting the women studying in the Medical School shall be referred to this committee, and by them be in writing reported for action to the authorities of the University; that the members of this committee shall be members for life; that the committee, when once formed shall be self-nominating, its nominations of new members to fill such vacancies as may occur being subject always to the approval of the Board of Trustees of the University.

6. That in the event of any violation of any or all of the aforesaid stipulations, the said sum of $306,977 shall revert to her, or such person or persons, institution or institutions, as she by testament or otherwise may hereafter appoint.

It will be observed that by the tenor of the aforegoing terms no university course will be in any way modified by any conditions

attached to her gift. These conditions relate exclusively to preparation for the Medical School, and have received, in the shape in which they are now presented, the unanimous approval of the Medical Faculty of the University.

The terms of admission to the Medical School of the University, as formulated and interpreted by the Medical Faculty of the University, February 4, 1893, and here subjoined, are therefore in entire accordance with the terms of her gift.

(Signed) MARY E. GARRETT.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL SCHOOL OF THE JOHNS HOPKINS UNIVERSITY, UNANIMOUSLY APPROVED BY THE MEDICAL FACULTY, FEBRUARY 4, 1893.

A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A. B. degree in the University.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have a good reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry and biology as is imparted by the regular minor courses given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, physics, chemistry and biology already indicated.

By approved colleges and scientific schools are meant those whose standard for graduation shall be considered by this University as essentially equivalent to its standard for graduation in the undergraduate department.

It is to be understood that at least one year's study in the Chemical and Biological Sciences in their immediate relation to medicine shall be required from students after their entrance to the Medical School.

WOMEN'S COMMITTEE OF MEDICAL SCHOOL

MISS MARY E. GARRETT,
MRS. ALFRED HODIER,
MRS. WILLIAM H. HOWELL,
MRS. HENRY M. HURD,
MRS. HOWARD A. KELLY,
MISS M. CAREY THOMAS.

Their duties are stated in paragraph 5 of the letter printed above.

IV

THE BAXLEY MEDICAL PROFESSORSHIP

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact, and was invested by the Trustees with the purpose of allowing it to accumulate until it had reached a sum more adequate to carrying out the desire of the founder. In March, 1901, upon the request of the President and the Medical Faculty, the Board of Trustees of the University directed that this fund shall be set apart to endow the Professorship of Pathology in the University, which shall hereafter be known as the Baxley Professorship of Pathology.

V

THE HERTER LECTURESHIP

In November, 1902, Dr. and Mrs. Christian A. Herter, of New York, offered to the Medical Department of the Johns Hopkins University the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." This gift was accepted by the Trustees of the University November 3, 1902. According to the terms of the gift, some eminent worker in Physiology or Pathology is to be asked each year to deliver a lecture at the Johns Hopkins University upon a subject with which he has been identified. The selection of a lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine,

and if "in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." The committee named for this purpose consists of Drs. Welch, Abel and Barker.

LECTURERS ON THIS FOUNDATION

Professor Paul von Ehrlich, of Frankfort.
Professor Hans H. Meyer, of Vienna.
Professor Almroth E. Wright, of London.
Professor Edward A. Shäfer, of Edinburgh.
Professor Hans Chiari.
Professor Albrecht Kossel, of Heidelberg.

VI

THE ENDOWMENT OF THE JOHNS HOPKINS HOSPITAL

The intimate connection between the Medical School and the Johns Hopkins Hospital renders it proper to mention the facilities of the Hospital as an important adjunct to the endowment of the Medical School. By the letter of instruction of the founder, it was provided that the Johns Hopkins Hospital should furnish clinical facilities for the Medical School. In the purchase of the site of the Hospital, the location and arrangement of buildings, the construction of the apparatus for heating and ventilation and all other hygienic appliances, the purpose of medical instruction was constantly borne in mind. The original buildings and grounds of the Hospital have cost upwards of two millions of dollars, and the annual expenditure for maintenance exceeds two hundred thousand dollars. Upon the hospital grounds, not including the Harriet Lane Home and Phipps' Psychiatric Clinic, have been erected twenty buildings, which furnish ample facilities for the accommodation of 350 in-patients and many thousand out-patients. These buildings also provide class-rooms in connection with the out-patient department, a large clinical laboratory, a surgical building with rooms for the study of surgical pathology and five operating rooms, clinic rooms, several lecture rooms, a clinical amphitheatre and an autopsy amphitheatre, all equipped with ample apparatus for the instruction of students. The administration building furnishes accommodation for a medical staff of forty persons. It also has a large library and reading rooms.

VII

THE ENDOWMENT OF THE CLINICAL LABORATORY

A similar endowment, which benefits the Medical School through the Hospital, has been a fund of $10,000 to build and equip a clinical laboratory upon the Hospital grounds for the use of Medical students. This laboratory permits each student in the third and fourth years to have a place for clinical work, including microscopes and reagents, the use of a dark room, access to a polariscope and other instruments. It also contains rooms for special study and research.

VIII

THE FUND FOR THE STUDY OF TUBERCULOSIS

This endowment for the study of tuberculosis has been placed in the hands of the Hospital Trustees for the study of the conditions of tubercular disease in Baltimore. Through the funds afforded it has been practicable to employ a medical graduate to follow cases of tuberculosis and to watch the effects of methods of treatment; also to secure the services of medical students and nurses to visit the homes of tubercular patients and to give instruction as to the better care of the victims of the disease. By means of this fund facilities are further afforded to students to study tubercular cases that come to the out-patient department of the Hospital.

IX

THE PHIPPS FUND FOR THE STUDY OF TUBERCULOSIS

Through the liberality of Mr. Henry Phipps, a fund of $20,000 has been given to the Hospital for the special study of cases of tuberculosis in connection with the out-patient department. This fund has enabled the Hospital to erect a separate building which provides separate accommodations for tubercular patients who come to the dispensary. Rooms are also arranged for examination and treatment, for a library of works on tuberculosis, and for the laboratory study of special forms of the disease. The facilities thus afforded for the out-patient department give unequaled opportunities for the study of all forms of tuberculosis.

X

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, June 12, 1908, Mr. Henry Phipps, of New York, offered the funds necessary for the erection of a psychiatric hospital, on the grounds of the Johns Hopkins Hospital, to accommodate about eighty patients and to contain the necessary laboratory equipment, hydro-therapeutic apparatus and other modern facilities for treatment. He offered, moreover, to the Trustees of the Johns Hopkins University, additional funds for the establishment of a department of psychiatry for a period of ten years from the opening of the clinic. This generous offer was accepted by the Trustees of the University and Hospital, and, after conference, the respective Boards elected Dr. Adolf Meyer, Professor of Psychiatry on the part of the University, and Director of the Clinic on the part of the Hospital. The new hospital building and laboratory will be opened during the year 1911-12.

XI

THE HARRIET LANE HOME FOR INVALID CHILDREN

By her last will, Mrs. Harriet Lane Johnston, of Washington, D. C., left the sum of about $400,000 to establish in Baltimore The Harriet Lane Home for Invalid Children as a memorial of two sons who had died in childhood. In order to give this Home the largest usefulness, the Trustees decided to erect it upon the grounds of the Johns Hopkins Hospital and to open its wards for the instruction of nurses and physicians in the care and treatment of the diseases of children. The building, which will accommodate about 100 children, is now completed and will be opened during the year 1911-12. It will afford unusual facilities for the study of all diseases of children, including those of an infectious nature.

THE JOSEPH KERNOCHAN GARR SCHOLARSHIP

Through the kindness of Mrs. Henry Lee Smith, of Baltimore, the Medical Faculty is authorized to provide a scholarship amounting to $100 a year to aid a deserving student. The scholarship is to be known as "The Joseph Kernochan Garr Scholarship."

XIII

HOPKINS SCHOLARSHIPS

Six Hopkins Scholarships are annually open to students from North Carolina and Virginia. These scholarships grant free tuition for one year. Three are given to fourth-year students, two to third-year students and one to second-year students. Applications should be addressed to the President of the University before May 1, in accordance with a prescribed form. In addition to these six scholarships, any of the thirty Hopkins Scholarships offered to graduate students in the department of philosophy that are not required for such students may be awarded to students of medicine.

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CATALOGUE AND ANNOUNCEMENT FOR 1912-1913

OF THE

MEDICAL DEPARTMENT

ESTABLISHED IN CONNECTION WITH THE JOHNS HOPKINS HOSPITAL

BALTIMORE, MARYLAND
PUBLISHED BY THE UNIVERSITY
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OCTOBER, 1912

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THE

JOHNS HOPKINS UNIVERSITY

MEDICAL DEPARTMENT

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CATALOGUE AND ANNOUNCEMENT FOR 1912-13

BALTIMORE
THE JOHNS HOPKINS PRESS
1912

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CALENDAR, 1912-1913

1912.

October 1 (Tuesday)—Instruction begins. Twentieth academic year.

November 28 (Thursday)—Thanksgiving Day. All classes suspended.

December 2 (Monday)—Instruction resumed.

December 23 (Monday morning)—The Christmas Recess begins.

1913.

January 2 (Thursday)—Instruction resumed.

February 22 (Saturday)—Commemoration Day. All classes suspended. Public exercises at 11 o'clock.

March 20 (Thursday)—The Easter Recess begins.

March 27 (Thursday)—Instruction resumed.

May 1 (Thursday)—Last day of application for the Hopkins Scholarships offered to medical students from Maryland, North Carolina and Virginia.

June 10 (Tuesday)—Commencement Day. Public exercises at 4 o'clock.

September 26 (Friday) — Candidates for admission will assemble in the auditorium of the Physiological building (East Monument and Washington streets), at 10 a. m.

October 7 (Tuesday) — Instruction resumed. Twenty-first academic year.

The Treasurer's office is at 712 N. Howard street, and is open daily from 9 a. m. to 4.15 p. m.

The office of the Registrar of the Medical Department is in the Physiological building, near the corner of East Monument and Washington streets, and is open daily from 9 a. m. to 5 p. m.

For catalogue and general information, address the REGISTRAR OF THE MEDICAL DEPARTMENT, THE JOHNS HOPKINS UNIVERSITY, BALTIMORE, MARYLAND.

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807 St. Paul St.

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Honorary Professor of the Principles and Practice of Medicine

M. D., McGill University, 1872; LL. D., McGill, 1895, Aberdeen, 1898, Toronto, 1899, Yale, 1901, Harvard, 1904, Johns Hopkins, 1905; D. C. L., Edinburgh, 1898, and Trinity (Toronto), 1902; M. D. (Hon.), Oxford, 1905; Fellow of the Royal Society of London; Fellow of the Royal College of Physicians, London; Professor of the Institutes of Medicine, McGill University, 1874-84; Professor of Clinical Medicine, University of Pennsylvania, 1884-89; Dean of the Medical Faculty, 1898-99; Professor of the Principles and Practice of Medicine, Johns Hopkins University, 1889-1905; Physician-in-Chief, the Johns Hopkins Hospital, 1889-1905; Regius Professor of Medicine, University of Oxford.

Oxford, England

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A. B., University of Michigan, 1863, M. D., 1866, A. M., 1870, and LL. D., 1895; Professor of Psychiatry, Johns Hopkins University, 1889-1906; Superintendent of the Eastern Michigan Hospital, 1878-89; Superintendent of the Johns Hopkins Hospital, 1889-1911; Editor of the Johns Hopkins Hospital Bulletin and of the Johns Hopkins Hospital Reports, 1889-1911; *Editor of the American Journal of Insanity; Secretary, the Johns Hopkins Hospital.*

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A. B., University of Pennsylvania, 1877, and M. D., 1882, LL. D., University of Aberdeen, and Washington and Lee University, 1906, University of Pennsylvania, 1907; Associate Professor of Obstetrics, University of Pennsylvania, 1888-89; Professor of Gynecological Surgery in the Johns Hopkins University, 1889-99; Honorary Member, Royal Medical Society of Edinburgh; Associate Foreign Member, Society of Obstetrics, Gynecology and Pediatrics, and Chirurgical Society, Paris; Corresponding Member, Obstetrical Society, Leipzig; Fellow, British Gynecological Society; Hon. Fellow, Edinburgh Obstetrical Society; Royal College of Surgeons, Edinburgh; Glasgow Obstetrical and Gynecological Society, Royal Academy of Medicine (Ireland); Hon. Member, Italian Society of Obstetrics and Gynecology, Rome; *Gynecologist in Chief to the Johns Hopkins Hospital.*

1406 Eutaw Place

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A. B., Yale University, 1874; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1877; LL. D., Yale University, 1904; Edinburgh, 1905; D. Sc., Columbia University, 1904; Honorary Fellow, Royal College of Surgeons, England, 1900, and Edinburgh, 1905; formerly Attending Surgeon to the Presbyterian and Bellevue Hospitals, Chief Surgeon to the Roosevelt Hospital Dispensary, Associate Attending Surgeon to Roosevelt Hospital, and Surgeon in Chief to the Emigrant Hospital, New York; *Surgeon in Chief to the Johns Hopkins Hospital.*

1201 Eutaw Place

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Professor of Anatomy

M. D., University of Michigan, 1883, A. M., (Hon.), 1900, and Sc. D., 1908; LL. D., University of Wisconsin, 1904; Fellow, Johns Hopkins University, 1886-88, and Instructor in Pathology and Bacteriology, 1888-89; Adjunct Professor of Vertebrate Anatomy, Clark University, 1889-92; Professor of Anatomy, University of Chicago, 1892-93; Member of the National Academy of Sciences; *Co-editor of the American Journal of Anatomy and of the Journal of Morphology.*

1514 Bolton St.

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Charles St. Av. (P. O. Sta. L).

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232 W. Lanvale St.

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Professor of Obstetrics and Dean

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1128 Cathedral St.

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1035 N. Calvert St.

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A. B., Harvard University, 1885, and M. D., 1889; LL. D., Washington College, 1907; Resident Physician, the Johns Hopkins Hospital, 1891-98, Associate and Associate Professor of Medicine, Johns Hopkins University, 1895-1905; Associate in Medicine, the Johns Hopkins Hospital, 1899-1905; Head of the Medical Clinic, the Johns Hopkins Dispensary, 1898-1905; *Associate Physician, the Johns Hopkins Hospital.*

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A. B., Princeton University, 1884; M. D., Harvard University, 1888; Surgeon to the Union Protestant Infirmary; Associate and Associate Professor of Surgery, Johns Hopkins University, 1893-1912; *Associate in Surgery, the Johns Hopkins Hospital, and Head of the Surgical Clinic, the Johns Hopkins Dispensary.*

1300 Eutaw Place

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330 N. Charles St.

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M. D., University of Maryland, 1881; D. Sc. (Hon.), 1907; Consulting Neurologist, St. Joseph's Hospital; Visiting Physician, City Detention Hospital, Bay View.

1305 Park Av.

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1208 Eutaw Place

THOMAS STEPHEN CULLEN, M. B.

Associate Professor of Gynecology

M. B., University of Toronto, 1890; Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1892-96, and Resident Gynecologist, 1896-97; Instructor in Gynecology, Johns Hopkins University, 1895-97; Associate, 1897-99; *Associate in Gynecology, the Johns Hopkins Hospital.*

3 W. Preston St.

ROBERT LEE RANDOLPH, M. D.

Associate Professor of Ophthalmology and Otology

M. D., University of Maryland, 1884, A. M. (Hon.), Johns Hopkins University, 1902; Assistant in Ophthalmology, Vienna Polyclinic, 1886; Associate in Ophthalmology and Otology, Johns Hopkins University, 1896-1901; *Assistant Ophthalmic and Aural Surgeon, the Johns Hopkins Hospital and Dispensary.*

609 Park Ave.

THOMAS BARNES FUTCHER, M. B.

Associate Professor of Medicine

M. B., University of Toronto, 1893; Assistant Resident Physician, the Johns Hopkins Hospital, 1894-1898; Resident Physician, 1898-1901; Instructor in Medicine, Johns Hopkins University, 1896-1897; Associate, 1897-1901; *Associate in Medicine, the Johns Hopkins Hospital and Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

23 W. Franklin St.

JOSEPH COLT BLOODGOOD, M. D.

Associate Professor of Surgery

S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; Resident Surgeon, the Johns Hopkins Hospital, 1893-97; Assistant, Instructor and Associate in Surgery, Johns Hopkins University, 1895-1903; *Associate in Surgery, the Johns Hopkins Hospital.*

904 N. Charles St.

HUGH HAMPTON YOUNG, M. D.

Associate Professor of Genito-Urinary Surgery

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; Assistant Resident Surgeon, the Johns Hopkins Hospital, 1895-98; Instructor and Associate in Genito-Urinary Surgery, Johns Hopkins University, 1893-1904; *Associate in Surgery, the Johns Hopkins Hospital, Head of the Genito-Urinary Clinic, the Johns Hopkins Dispensary.*

330 N. Charles St.

WARREN HARMON LEWIS, M. D.

Associate Professor of Anatomy

S. B., University of Michigan, 1894, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Assistant, Instructor and Associate in Anatomy, 1900-1904; *Co-Editor of The Anatomical Record.*

1931 E. 31st St.

FLORENCE RENA SABIN, M. D., Sc. D.

Associate Professor of Anatomy

S. B., Smith College, 1893, Sc. D., 1910, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; Holder of Woman's Fellowship in Anatomy, 1901-1902; Assistant, Instructor and Associate in Anatomy, 1902-1905; *Co-Editor of The Anatomical Record.*

1431 Park Ave.

WILLIAM WEBBER FORD, M. D.

Associate Professor of Hygiene and Bacteriology and Lecturer in Legal Medicine

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; D. P. H., McGill University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1898-99; Fellow in Pathology, McGill University, 1899-1901; Fellow, Rockefeller Institute for Medical Research, 1901-02; Institute for Infectious Diseases, Berlin, 1901-1902 and Johns Hopkins University, 1902-1903; Instructor, Associate and Associate Professor of Bacteriology, Johns Hopkins University, 1904-1910.

1134 Cathedral St.

MAX BROEDEL

Associate Professor of Art as Applied to Medicine

Academy of Arts, Leipzig, 1885-90; Illustrator, University of Leipzig, until 1894; Instructor in Art as Applied to Medicine, Johns Hopkins University, 1905-1906.

707 N. Carrollton Av.

JOSIAH MORRIS SLEMONS, M. D.

Associate Professor of Obstetrics

A. B., Johns Hopkins University, 1897, and M. D., 1901; Resident House Officer and Clinical Assistant in Obstetrics and Resident Obstetrician, the Johns Hopkins Hospital, 1901-1904; Assistant, Instructor and Associate in Obstetrics, Johns Hopkins University, 1902-1909; *Assistant in Obstetrics, the Johns Hopkins Hospital.*

23 W. Chase St.

WILLIAM STEVENSON BAER, M. D.

Associate Professor of Orthopedic Surgery

A. B., Johns Hopkins University, 1894, and M. D., 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-99, Assistant Resident Surgeon, 1899-1900; Assistant, Instructor and Associate in Orthopedic Surgery, Johns Hopkins University, 1900-1910; *Associate in Orthopedic Surgery, the Johns Hopkins Hospital.*

4 E. Madison St.

DONALD RUSSELL HOOKER, M. D.

Associate Professor of Physiology

A. B., Yale University, 1899, M. S., 1901; M. D., Johns Hopkins University, 1905; Graduate Student, University of Berlin, 1905-1906; Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-1910.

Cedar Lawn, Homeland Av., Govans.

CARL VOEGTLIN, Ph. D.

Associate Professor of Pharmacology

Ph. D., University of Freiburg (Baden), 1903; Instructor in Chemistry, University of Wisconsin, 1904-05; Assistant in Medicine, Chemical Division of the Medical Clinical Laboratory, and Associate in Pharmacology, the Johns Hopkins University, 1906-1910.

227 W. Monument St.

GEORGE HOYT WHIPPLE, M. D.

Associate Professor of Pathology

A. B., Yale University, 1900; M. D., Johns Hopkins University, 1905; Assistant, Instructor and Associate in Pathology, Johns Hopkins University, 1905-1910; Pathologist, Bay View, 1906-07; Pathologist, Ancon Hospital, Panama, 1907-08; Assistant Resident Pathologist, the Johns Hopkins Hospital, 1908-09; *Resident Pathologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

THOMAS RICHMOND BOGGS, M. D.

Associate Professor of Medicine

S. B., University of Georgia, 1896, and Graduate Student, 1896-1897; M. D., Johns Hopkins University, 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-1902; Acting Assistant Resident, 1902-03; Assistant and Associate in Medicine, Johns Hopkins University, 1903-1911; Assistant Resident Physician in charge of the Medical Bacteriological Laboratory, the Johns Hopkins Hospital, 1904-1905; Resident Physician, the Johns Hopkins Hospital and Medical Adviser to the Medical Students, 1908-1911; *Physician in Chief, City Hospital, Baltimore.*

21 W. Chase St.

CHARLES DAVID SNYDER, Ph. D.

Associate Professor of Physiology

A. B., Leland Stanford, Jr., University, 1896; M. S., and Ph. D., University of California, 1904 and 1905; Holder of Columbia University Table at Zoological Station, Naples, 1906; Medical Student, Universities of Berlin and München, 1906-1907, and Summer of 1908; Fellow, Instructor and Associate in Physiology, Johns Hopkins University, 1907-1911.

Charles St. Ave. (P. O. Sta. L.)

HERBERT McLEAN EVANS, M. D.

Associate Professor of Anatomy

S. B., University of California, 1904, and Medical Department, 1904-05; M. D., Johns Hopkins University, 1908; Assistant Instructor and Associate Professor in Anatomy, Johns Hopkins University, 1908-1912.

1306 N. Luzerne St.

LECTURER

CHARLES WARDELL STILES, Ph. D., D. Sc.

Lecturer on Medical Zoology

A. M., Ph. D., University of Leipzig, 1890; M. S. (Hon.), Wesleyan University, 1896; D. Sc. (Hon.), Wesleyan University, 1906; Corresponding Member, Society of Biology and Academy of Medicine (Paris); Zoologist, U. S. Bureau of Animal Industry, 1891-1902; Professor of Zoology, of U. S. Public Health and Marine-Hospital Service, Washington, D. C.; Secretary, International Commission on Zoological Nomenclature, Scientific Secretary, Rockefeller Sanitary Commission for the Eradication of Hookworm Disease.

Hygienic Laboratory, 25th and E Sts., Washington

ASSOCIATES

FRANK ROBERT SMITH, M. D.

Associate in Medicine

A. M., University of Cambridge (England), 1882; M. D., University of Maryland, 1891; Assistant Resident Physician, the Johns Hopkins Hospital, 1891-93; Instructor in Medicine, Johns Hopkins University, 1895-1901; *Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.* 1126 Cathedral St.

GUY LeROY HUNNER, M. D.

Associate in Gynecology

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897, and Instructor in Gynecology, 1901-1902; Resident House Officer, and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1897-1900, and Resident Gynecologist, 1901-1902; *Associate in Gynecology, the Johns Hopkins Hospital.*

2305 St. Paul St.

LOUIS PHILIP HAMBURGER, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1893, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Assistant and Instructor in Medicine, Johns Hopkins University, 1899-1904; *Assistant Physician, the Johns Hopkins Dispensary.*

1207 Eutaw Place

THOMAS RICHARDSON BROWN, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1892, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Instructor in Medicine, Johns Hopkins University, 1899-1904; *Physician in charge of the Medical Clinic, the Johns Hopkins Dispensary.*

19 W. Biddle St.

RICHARD HOLDEN FOLLIS, M. D.

Associate in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Externe, Assistant Resident and Resident Surgeon, the Johns Hopkins Hospital, 1899-1905; Instructor in Surgery, Johns Hopkins University, 1902-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary and Associate in Surgery, the Johns Hopkins Hospital.*

3 E. Read St.

GEORGE WALKER, M. D.

Associate in Surgery

M. D., University of Maryland, 1889; Instructor in Surgery, Johns Hopkins University, 1900-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

529 N. Charles St.

FREDERICK HARRY BAETJER, M. D.

Associate in Surgery in charge of Actinography

A. B., Johns Hopkins University, 1897, and M. D., 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-02; Assistant in Surgery, Johns Hopkins University, 1903-1906; *Associate in Actinography, the Johns Hopkins Hospital.*

4 E. Madison St.

CURTIS FIELD BURNAM, M. D.

Associate in Gynecology

A. B., Central University (Ky.), 1895; M. D., Johns Hopkins University, 1900; Resident House Officer and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1900-1904; Assistant in Gynecology, Johns Hopkins University, 1907-1908; *Associate in Gynecology, the Johns Hopkins Hospital.*

1718 Eutaw Place

CLARENCE BRISCOE FARRAR, M. D.

Associate in Psychiatry

A. B., Harvard University, 1896; M. D., Johns Hopkins University, 1900; Graduate Student, University of Heidelberg, 1902-1904; Assistant and Instructor in Psychiatry, Johns Hopkins University, 1906-1908; Assistant Physician and Acting Director of the Laboratory, Sheppard and Enoch Pratt Hospital; Research Assistant, the Carnegie Institution of Washington.

Mont Alto Groves, Walbrook

LOUIS VIRGIL HAMMAN, M. D.

Associate in Medicine

A. B., Rock Hill College, 1896; Graduate Student, Johns Hopkins University, 1896-97; and M. D., 1901; House Physician, New York Hospital, 1902-1903; Assistant and Instructor in Medicine, Johns Hopkins University, 1903-1908; *Physician in charge, the Phipps Dispensary; Associate in Medicine, the Johns Hopkins Hospital.*

714 Park Ave.

ARTHUR DOUGLASS HIRSCHFELDER, M. D.

Associate in Medicine, in Charge of the Physiological Division of the Laboratory of the Medical Clinic

S. B., University of California, 1897; Student in Paris and Heidelberg, 1898-1899; M. D., Johns Hopkins University, 1903; Resident House Officer, the Johns Hopkins Hospital, 1903-1904; Assistant in Medicine, Cooper Medical College; Assistant Physician to City and County Hospital, San Francisco, 1903-1905; Voluntary Assistant and Instructor in Medicine, Johns Hopkins University, 1905-1908; Assistant in Medicine, the Johns Hopkins Hospital, 1908-1912.

2245 Linden Av.

ELIZABETH HURDON, M. D.

Associate in Gynecology

M. D., Trinity University (Toronto), 1895; Assistant and Instructor in Gynecology, Johns Hopkins University, 1900-1908.

31 W. Preston St.

JAMES HALL MASON KNOX, Jr., Ph. D., M. D.

Associate in Pediatrics

A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-1899; Assistant and Instructor in Pediatrics, Johns Hopkins University, 1902-1909; Physician in Charge, the Thomas Wilson Sanitarium; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

804 Cathedral St.

ELIOT ROUND CLARK, M. D.

Associate in Anatomy

A. B., Yale University, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Anatomy, Johns Hopkins University, 1907-1910.

2033 Park Av.

JOHN TIMOTHY GERAGHTY, M. D.

Associate in Genito-Urinary Surgery

A. B., St. Thomas College, 1895; Ph. B., St. Paul Seminary, 1897; Graduate Student, Johns Hopkins University, 1897-1898; M. D., 1903; Resident House Officer, the Johns Hopkins Hospital, 1903-1904; Assistant and Instructor in Genito-Urinary Diseases, Johns Hopkins University, 1907-1910; *Assistant Surgeon, the Johns Hopkins Dispensary.*

330 N. Charles St.

*JOHN HENDRICKEN KING, M. D.

Associate in Pathology

A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902; M. D., 1906; Assistant and Instructor in Medicine and Pathological Physiology, Johns Hopkins University, 1906-1909.

1227 N. Calvert St.

LEONARD GEORGE ROWNTREE, M. D.

Associate in Experimental Therapeutics

M. D., Western University (Canada), 1905; Resident Physician, Victoria Hospital, London, Canada, 1905-1906; Voluntary Assistant and Assistant in Medicine, 1907-1909; Instructor in Experimental Therapeutics, 1909-1910.

227 W. Monument St.

MILTON CHARLES WINTERNITZ, M. D.

Associate in Pathology

A. B., Johns Hopkins University, 1903, M. D., 1907, Fellow in Pathology, 1907-1908; Assistant and Instructor in Pathology, Johns Hopkins University, 1908-1910; Pathologist, Bay View Asylum and *Assistant Resident Pathologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

WILLIAM LORENZO MOSS, M. D.

Associate in Medicine

S. B., University of Georgia, 1901; M. D., Johns Hopkins University, 1905; Instructor in Medicine, Johns Hopkins University, 1909-1910; Resident House Officer, the Johns Hopkins Hospital, 1905-1906; Assistant Physician, Johns Hopkins Dispensary, 1906-1907; Graduate Student, University of Berlin, 1907; *Assistant Resident Physician.*

The Johns Hopkins Hospital

FRANK JOSEPH SLADEN, M. D.

Associate in Medicine.

A. B., Yale University, 1902; M. D., Johns Hopkins University, 1906; Assistant and Instructor in Medicine, Johns Hopkins University, 1908-1911; Resident House Officer and Assistant Resident Physician, the Johns Hopkins Hospital, 1906-1911; *Resident Physician and Medical Adviser to the Students, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

EDWARD HENDERSON RICHARDSON, M. D.

Associate in Gynecology

A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900-1901, and M. D., 1905; Instructor in Gynecology, Johns Hopkins University, 1910-1912; Resident House Officer, and Assistant Resident and Resident Gynecologist, the Johns Hopkins Hospital, 1905-1910; *Assistant Gynecologist, the Johns Hopkins Dispensary.*

216 E. Preston St.

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*Absent on leave.

THOMAS PECK SPRUNT, M. D.*

Associate in Pathology

A. B., Davidson College, 1903; M. D., Johns Hopkins University, 1909; Assistant and Instructor in Pathology, Johns Hopkins University, 1909-1912; *Assistant Resident Pathologist.*

The Johns Hopkins Hospital

CHARLES RHEIN ESSICK, M. D.

Associate in Anatomy

A. B., Yale University, 1905; M. D., Johns Hopkins University, 1909; Assistant and Instructor in Anatomy, Johns Hopkins University, 1909-1912.

1807 N. Caroline St.

SAMUEL JAMES CROWE, M. D.

Associate in Surgery in Charge of the Laryngological, Rhinological and Otological Clinic

A. B., University of Georgia, 1904; M. D., Johns Hopkins University, 1908; Assistant in Surgery (H. L.), 1908-1909; Assistant Resident Surgeon, Johns Hopkins Hospital, 1909-1910; *Laryngologist, the Johns Hopkins Hospital.*

The Cecil

INSTRUCTORS

JAMES JOSEPH MILLS, M. D.

Instructor in Ophthalmology

M. D., Baltimore Medical College, 1889; Assistant in Ophthalmology and Otology, Johns Hopkins University, 1903-1904; Ophthalmologist to the City Detention Hospital, Bay View, and *Assistant in Ophthalmology, the Johns Hopkins Dispensary.*

853 Park Av.

JACOB HALL PLEASANTS, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1895, and M. D., 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1900-1905; *Assistant Physician, the Johns Hopkins Dispensary.*

University Parkway

RICHARD ALEXANDER URQUHART, M. D.

Instructor in Pediatrics

M. D., University of Virginia, 1894; Resident Physician, 1899-1900, and Assistant Attending Physician, City Detention Hospital, Bay View, 1900-1901; Assistant in Pediatrics, Johns Hopkins University, 1902-1906; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

849 Park Av.

EDGAR RANDOLPH STROBEL, M. D.

Instructor in Dermatology

A. B., Johns Hopkins University, 1895, and M. D., 1899; Clinical Professor of Dermatology, Baltimore Medical College; Assistant in Dermatology, Johns Hopkins University, 1903-1906; *Assistant Dermatologist, the Johns Hopkins Dispensary.*

330 N. Charles St.

WILLIAM RUSH DUNTON, Jr., M. D.

Instructor in Psychiatry

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; Assistant in Psychiatry, Johns Hopkins University, 1906; *Assistant Neurologist, the Johns Hopkins Dispensary.*

E. Evesham Av., Govans.

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*Resigned.

JOSEPH ALBERT CHATARD, M. D.

Instructor in Medicine

A. B., Loyola College, 1898; Graduate Student, Johns Hopkins University, 1898-1899, and M. D., 1903; Assistant Resident Physician, St. Joseph's Hospital, 1903-1904; Assistant in Medicine, Johns Hopkins University, 1905-1907; *Assistant Physician, the Johns Hopkins Dispensary.*

1225 Maryland Av.

JOHN ARTHUR LUETSCHER, M. D.

Instructor in Medicine

S. B., University of Wisconsin, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; House Physician, City Hospital, Boston, 1900-1901; Assistant in Medicine, Johns Hopkins University, 1905-1907; *Assistant Physician, the Johns Hopkins Dispensary.*

1025 Madison Av.

NATHAN EDMONDSON BERRY IGLEHART, M. D.

Instructor in Surgery

M. D., University of Maryland, 1889; Assistant in Surgery, Johns Hopkins University, 1900-1909; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

16 W. Preston St.

EDWARD MARTIN SINGEWALD, M. D.

Instructor in Neurology

M. D., University of Maryland, 1888; Assistant in Neurology, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

5 N. Washington St.

GEORGE LANE TANEYHILL, Jr., M. D.

Instructor in Neurology

A. B., Johns Hopkins University, 1900, M. D., 1904; Externe, the Johns Hopkins Hospital and Dispensary, 1904-1905; Assistant in Medicine, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

1103 Madison Av.

CHARLES WILLIAM LARNED, M. D.

Instructor in Medicine

M. D., University of Maryland, 1893; Assistant in Medicine, Johns Hopkins University, 1906-1909; Resident Physician, Free Lying-in-Hospital, University of Maryland, 1893-1894; Resident Physician, Hospital for Women of Maryland, 1894-1905; Physician to the Good Samaritan Hospital, and Professor of Clinical Medicine, Woman's Medical College of Baltimore; *Assistant Physician, the Johns Hopkins Dispensary.*

1327 Park Av.

HENRY LEE SMITH, M. D.

Instructor in Medicine

M. D., University of Maryland, 1894; A. M. (Hon.), St. John's College (Maryland), 1909; Assistant in Medicine, Johns Hopkins University, 1906-1909; Clinical Assistant, University Hospital; Resident Physician, Hospital for Women of Maryland; Studied in Universities of Marburg, Graz and Berlin; *Assistant Physician, Johns Hopkins Dispensary.*

2701 N. Calvert St.

SAMUEL WOLMAN, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Phipps Dispensary, the Johns Hopkins Hospital.*

2101 Brookfield Ave.

HARRY SELIGER GREENBAUM, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1899, and M. D., 1904; Student, University of Berlin, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Johns Hopkins Dispensary.*

1614 Eutaw Place

CHARLES METCALFE BYRNES, M. D.

Instructor in Neurology

S. B., University of North Carolina, 1902; M. D., Johns Hopkins University, 1906; Adjunct Professor of Anatomy, University of Virginia, 1908-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

207 E. Preston St.

JOHN STAIGE DAVIS, M. D.

Instructor in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-1903; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1200 Cathedral St.

WILLIAM ALEXANDER FISHER, M. D.

Instructor in Surgery

A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; *Assistant Surgeon, the Johns Hopkins Dispensary.*

715 Park Av.

OMAR BORTON PANCOAST, M. D.

Instructor in Surgery

S. B., Swarthmore College, 1893; M. D., Johns Hopkins University, 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-1898; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1500 Madison Av.

PAUL WISWALL CLOUGH, M. D.

Instructor in Medicine, in Charge of the Biological Division of the Medical Clinic

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Assistant in Medicine, Johns Hopkins University, 1908-1910; Resident House Officer, the Johns Hopkins Hospital, 1907-1908; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

CLYDE GRAEME GUTHRIE, M. D.

Instructor in Medicine, in Charge of the Clinical Laboratory

A. B., Lafayette College, 1903; M. D., Johns Hopkins University, 1907; Assistant in Medicine, Johns Hopkins University, 1908-1910; Resident House Officer, the Johns Hopkins Hospital, 1907-1908; Assistant Resident Physician, the Johns Hopkins Hospital, 1908-1911.

The Johns Hopkins Hospital

GEORGE JULIUS HEUER, M. D.

Instructor in Surgery

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Resident House Officer and Assistant Resident Surgeon, Johns Hopkins Hospital, 1907-1911; *Resident Surgeon.*

The Johns Hopkins Hospital

CECIL WOODS VEST, M. D.

Instructor in Gynecology

S. B., Iowa College, 1904; M. D., Johns Hopkins University, 1908; Externe in Gynecology, Johns Hopkins Hospital, 1908-1909; Assistant Resident Gynecologist, *ibid.*, 1910-1912; *Resident Gynecologist.*

The Johns Hopkins Hospital

LLOYD PARKER SHIPPEN, M. D.

Instructor in Hygiene and Bacteriology

A. B., Johns Hopkins University, 1902; M. D., University of Pennsylvania, 1907; Assistant in Bacteriology, Johns Hopkins University, 1911-1912.

209 W. Monument St.

HENRY AUGUSTUS STEPHENSON, M. D.

Instructor in Obstetrics

A. B., Randolph-Macon College, 1906; M. D., Johns Hopkins University, 1910; Resident House Officer, Johns Hopkins Hospital, 1910-1911; Assistant in Obstetrics, Johns Hopkins University, 1911-1912; *Resident Obstetrician.*

The Johns Hopkins Hospital

ASSISTANTS

ROADES FAYERWEATHER, M. D.

Assistant in Orthopedic Surgery

A. B., Harvard University, 1899; M. D., Johns Hopkins University, 1903; Orthopedic Surgeon, Carney Hospital, Boston, 1903-1904; *Assistant Surgeon, the Johns Hopkins Dispensary.*

21 W. Franklin St.

BERTRAM MOSES BERNHEIM, M. D.

Assistant in Surgery

A. B., Johns Hopkins University, 1901; M. D., 1905; *Assistant Surgeon, the Johns Hopkins Dispensary.*

2319 Linden Av.

EUGENE JOSEPH LEOPOLD, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1901; M. D., 1905; Graduate Student University of Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Graduate Student, London, 1905-1907; *Assistant Physician, the Phipps Dispensary.*

803 Park Av.

DAVID ISRAEL MACHT, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Harvard Summer School, 1903-1905; Vol. Asst. Klinik, Prof. Landau, Berlin, 1906-1907; *Externe, Phipps Dispensary.*

1511 Madison Av.

*FLORA POLLACK, M. D.

Assistant in Gynecology

M. D., Woman's Medical College (Balt.), 1891; *Assistant in Woman's Venereal Diseases, the Johns Hopkins Dispensary.*

330 N. Charles St.

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*Absent on leave.

GEORGE SAMUEL BOND, M. D.

Assistant in Medicine

B. S., Earlham College, 1903; A. B., University of Michigan, 1905, and M. D., 1908; Graduate Student, Johns Hopkins University, 1908-1909; Voluntary Assistant in Medicine, *ibid;* Research Student, Rockefeller Institute, 1909-1910.

1717 Madison Ave.

HOWARD ELMER ASHBURY, M. D.

Assistant in Surgery

Ph. G., Maryland College of Pharmacy, 1899; M. D., University of Maryland, 1903.

1017 Cathedral St.

CHARLES ROBERT AUSTRIAN, M. D.

Assistant in Medicine, in Charge of the Laboratory of the Phipps Dispensary

A. B., Johns Hopkins University, 1904, and M. D., 1909; Resident House Officer, Johns Hopkins Hospital, 1909-1910; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

WALTER ALBERT BAETJER, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1905, and M. D., 1909; Resident House Officer, the Johns Hopkins Hospital, 1909 1910; Assistant Resident, the Johns Hopkins Hospital, 1910-1911; *Resident Physician, City Hospital, Bay View,* 1911-1912; *Assistant Resident Physician.*

Johns Hopkins Hospital

TRIGANT BURROW, M. D., Ph. D.

Assistant in Psychiatry

A. B., Fordham University, 1895; M. D., University of Virginia, 1899; Demonstrator in Biology, University of Virginia, 1899-1900; Graduate Student, Pathology and Bacteriology, and Philology, 1901-1903; Assistant in Psychology, Johns Hopkins University, 1906-1909, and Ph. D., 1909.

707 St. Paul St.

FRANKLIN HAZLEHURST, Jr., M. D.

Assistant in Laryngology and Rhinology

A. B., Johns Hopkins University, 1903, and M. D., 1907; Acting Resident House Officer and Externe in Medicine, the Johns Hopkins Hospital, 1907-1908; Surgeon, Robert Garrett Hospital for Children; *Assistant Laryngologist, the Johns Hopkins Dispensary.*

203 W. Lanvale St.

JOHN THOMAS SAMPLE, M. D.

Assistant in Medicine

A. B., University of Michigan, 1906, and M. D., 1908; Assistant in Medicine, *ibid,* 1908-09; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

MARTIN FRANCIS SLOAN, M. D.

Assistant in Medicine

M. D., Baylor University, 1907; Resident Physician, Eudowood Sanatorium; *Externe, Phipps Dispensary.*

Eudowood

HEDLEY VICARS TWEEDIE, M. D.

Assistant in Ophthalmology

M. D., Baltimore Medical College, 1897; Assistant Surgeon, Baltimore Eye and Ear, Throat Charity Hospital; *Assistant in Ophthalmology, the Johns Hopkins Dispensary.*

508 Park Av.

SOLON ARTHUR DODDS, M. D.

Assistant in Obstetrics

Ph. B., Wesleyan University, (Conn), 1901; M. D., Johns Hopkins University, 1905; Interne in Obstetrics and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1905-1908.

3105 Clifton Ave., Walbrook

RALPH HERMAN MAJOR, M. D.

Assistant in Medicine

A. B., William Jewell College, 1902; Student, Leipsic, Munich and Chicago, 1904-1906; M. D., Johns Hopkins University, 1910; Resident House Officer, Johns Hopkins Hospital, 1910-1911; *Assistant Resident Physician.*

The Johns Hopkins Hospital

ELI KENNERLY MARSHALL, JR., Ph. D.

Assistant in Physiological Chemistry

S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911.

321 W. Hoffman St.

SYDNEY ROBOTHAM MILLER, M. D.

Assistant in Medicine

S. B., New York University, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, the Johns Hopkins Hospital, 1910-1911.

28 Talbot Road, Windsor Hills

ISAAC ROSENBAUM PELS, M. D.

Assistant in Dermatology

A. B., Johns Hopkins University, 1902, and M. D., 1906; Interne, the Jewish Hospital, Philadelphia, 1906-1907; Externe in Medicine and Surgery, 1907-1909; Interne, Union Protestant Infirmary, Baltimore, 1908.

1509 Madison Ave.

EDMUND BURKE HUEY, Ph. D.,

Assistant in Psychiatry

A. B., Lafayette College, 1895; Ph. D., Clark University, 1899; Professor of Psychology and Education, University of Pittsburgh, 1904-1908; Psychologist, Illinois State School and Colony for Feeble-Minded Children, 1909-1911.

3700 N. Charles St.

HELEN WATSON, M. D.

Assistant in Medicine

A. B., Wellesley College, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, the Johns Hopkins Hospital, 1910-1911; *Assistant Resident Physician, ibid.*

The Johns Hopkins Hospital

DAVID MELVIN DAVIS, M. D.

Assistant in Pathology

S. B., Princeton University, 1907; M. D., Johns Hopkins University, 1911; Interne, City Hospital, Bay View, 1911-1912.

709 St. Paul St.

HENRY HONEYMAN HAZEN, M. D.

Assistant in Dermatology

A. B., Johns Hopkins University, 1902, and M. D., 1906; Externe in Dermatology, Johns Hopkins Hospital, 1906-1912.

Washington, D. C.

GEORGE B. JENKINS, M. D.

Assistant in Anatomy

M. D., Hospital College of Medicine, 1898, and Kentucky School of Medicine, 1900; Interne and Assistant Superintendent City Hospital, Louisville, Ky., 1898-1903; Professor of Anatomy and Neurology, Kentucky School of Medicine, 1902-1909, and Professor of Anatomy, University of Louisville, 1909-1912.

812 East 41st St.

ROY DONALDSON McCLURE, M. D.

Assistant in Surgery

A. B., Ohio State University, 1904; Graduate Student, University of Prague, 1906; M. D., Johns Hopkins University, 1908; House Surgeon, N. Y. Hospital, 1908-1912; *Assistant Resident Surgeon.*

The Johns Hopkins Hospital

EVERETT DUDLEY PLASS, M. D.

Assistant in Obstetrics

A. B., Colgate University, 1907; M. D., Johns Hopkins University, 1911; Resident House Officer, Johns Hopkins Hospital, 1911-1912; *Assistant Resident Obstetrician.*

The Johns Hopkins Hospital

HOLLAND NEWTON STEVENSON 2d., M D.

Assistant in Pathology

Ph. B., Yale University, 1908; M. D., Johns Hopkins University, 1912.

The Severn

FRANK WALTER WEYMOUTH, M. D.

Assistant in Physiology

A. B., Leland Stanford Jr. University, 1909, and A. M., 1911.

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Voluntary Assistant in Medicine

M. D., Gross Medical College (Denver), 1908.

1222 N. Broadway

ALEXIUS McGLANNAN, M. D.

Voluntary Assistant in Surgery

M. D., College of Physicians and Surgeons (Balt.), 1895.

114 W. Franklin St.

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J. Williams Lord, M. D.....*Dermatologist*
Samuel J. Crowe, M. D.....*Laryngologist*
Samuel Theobald, M. D.....*Ophthalmic Surgeon*
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Thomas S. Cullen, M. D. ..... *Associate in Gynecology*
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Milton C. Winternitz, M. D. ..... *Assistant Resident Pathologist*
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George J. Heuer, M. D. ..... *Resident Surgeon*
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Henry A. Stephenson, M. D. ..... *Resident Obstetrician*

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WILLIAM S. HALSTED, M. D.....Surgeon-in-Chief
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Robert L. Randolph, M. D.....Associate Ophthalmic and Aural Surgeon

Hedley V. Tweedie, M. D.....
Leo J. Goldbach, M. D.....
.....Assistant Surgeons

C—*Genito-Urinary Diseases:*

Hugh H. Young, M. D.....Genito-Urinary Surgeon
John T. Geraghty, M. D.....Surgeon in Charge

Fred'k W. Hobelman, M. D..
Albert Keidel, M. D.....
J. Poitevint Robinson, M. D..
.....Assistant Surgeons

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Samuel J. Crowe, M. D.....Laryngologist in Charge
John N. Mackenzie, M. D.....Laryngologist

Franklin Hazelhurst, Jr., M. D.
Thomas P. McCormick, M. D...
Harry R. Slack, Jr., M. D.....
.....Assistant Laryngologists

E—*Dermatology:*

T. Caspar Gilchrist, M. D...
J. Williams Lord, M. D.....
.....Dermatologists

Edgar R. Strobel, M. D.....
Isaac R. Pels, M. D.....
J. Edward Gately, M. D.....
Henry H. Hazen, M. D.....
.....Assistant Dermatologists

F—*Orthopedic Surgery:*

William S. Baer, M. D.....Orthopedic Surgeon

Howard E. Ashbury, M. D...
Roades Fayerweather, M. D.
George E. Bennett, M. D...
Carl R. Ahroon, M. D.....
.....Assistant Surgeons

Miss J. Metivier.....Assistant in Medical Gymnastics

Miss Anna K. Bean.....
Miss Hazel M. Brace.....
.....Masseuse

GYNECOLOGY AND OBSTETRICS

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Cecil W. Vest, M. D.....Gynecologist in Charge

Edward H. Richardson, M. D.
Leon H. Watkins, M. D.....
J. Craig Neel, M. D.....
Anna Hubert, M. D.....
Veader N. Leonard, M. D....
.....Assistant Gynecologists

B—*Obstetrics:*

Henry A. Stephenson, M. D. . . . . Obstetrician in Charge

Everett D. Plass, M. D. . . . . .
William L. Millea, M. D. . . . . } . . . . . Assistant Obstetricians
Peter B. Sarason, M. D. . . . . .

Willa M. Fricke, M. D. . . . . Externe

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Milton C. Winternitz, M. D. . . . . Pathologist

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Frank D. Sanger, M. D. . . . . Laryngologist
William Tarum, M. D. . . . . Otologist
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John Ruhrah, M. D. . . . . Pediatrician
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ARTHUR WILBURN ALLEN. Somerset, Ky. 1717 *Fairmount Av.*

A. B., Georgetown College (Ky.), 1909.

DAVID BALLANTYNE ANDERSON. Salt Lake City, Utah. 109 *N. Bdy.*

S. B., University of Chicago, 1910; Med. Student, Rush, 1908-10.

HAL FULLERTON BOATWRIGHT. Wilmington, N. C. 1028 *N. Bdway.*

A. B., University of North Carolina, 1909; Med. Student, 1908-10.

ALBERT ADAM BORNSCHEUER. Pittsburgh, Pa. 1922 *E. Lafayette Av.*

S. B., Washington and Jefferson College, 1909.

EDITH BRONSON. East Hardwick, Vt. 1720 *Fairmount Av.*

A. B., Syracuse University, 1909; Med. Dept., 1909-10.

DON FRANKLIN CAMERON. Hamilton, Ind. 227 *W. Monument St.*

A. B., Indiana University, 1907; A. M., University of Chicago, 1909; Medical Student (2d year), 1909-11.

NOLAND MACKENZIE CANTER. Baltimore. 303 *N. Stricker St.*

A. B., Randolph-Macon College, 1909.

WILBUR GLENN CARLISLE. Hillsboro, O. 518 *N. Broadway.*

A. B., Ohio Wesleyan University, 1909; Summer Quarter, University of Chicago, 1909.

HENRY WISDOM CAVE. Paducah, Ky. 518 *N. Bdway.*

A. B., Central University of Kentucky, 1909.

HOWARD LEE CECIL. Millersville. 1717 *Fairmount Av.*

A. B., St. John's College, 1908.

GEORGE DAVIES CHUNN. Holly Grove, Ark. 109 *N. Bdway.*

S. B., University of Arkansas, 1908.

HELEN DOROTHY CLARKE. Boston, Mass. 104 *Jackson Pl.*

A. B., Vassar College, 1909.

ROBERT JAY COOK. Independence, Ia. 125 *Jackson Pl.*

A. B., State University of Iowa, 1909.

GEORGE WASHINGTON CORNER, 3d. Baltimore. *Roland Park.*

A. B., Johns Hopkins University, 1909.

KENT EDWARD DARROW. Fargo, N. D. 1711 *Fairmount Av.*
S. B., North Dakota Agricultural College, 1909.

DANIEL DAVIS. Washington, D. C. 626 *N. Bdway.*
A. B., Harvard University, 1909.

THOMAS KIRBY DAVIS. Wabash, Ind. 518 *N. Bdway*
A. B., Wabash College, 1909; Med. Student, Cornell, 1909-10.

HOWARD HENRY DIGNAN. San Francisco, Cal. 1521 *N. Bdway.*
S. B., University of California, 1910; Med. Student, 1909-10.

WILLIAM DWYER. Hartford, Conn. 109 *N. Bdway.*
S. B., Trinity College (Conn.), 1909.

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A. B., Allegheny College, 1909. 1220 *N. Eden St.*

ERNEST CLYDE FISHBAUGH. Markle, Ind. 318 *N. Broadway.*
A. B., Indiana University, 1910, Fellow, 1910-11, and A. M., 1911.

ROSWELL ELMORE FLACK. Rutherfordton, N. C. 1003 *McCulloh St.*
A. B., Wake Forest College, 1901.

FREDERICK LAMONT GATES. Montclair, N. J. 817 *N. Bdway.*
A. B., Yale University, 1909.

LINTON GERDINE. Athens, Ga. 1336 *N. Caroline St.*
S. B., University of Georgia, 1909.

CLARENCE FLACK GRAHAM. Baltimore. 1900 *Jefferson St.*
A. B., Yale University, 1909.

HERBERT HART HAGAN. Trenton, Ky. 518 *N. Broadway.*
A. B., Georgetown College (Ky.), 1908.

ISAAC PICARD HEYMANN. Dutchtown, La. 937 *N. Bdway.*
S. B., Louisiana State University, 1909.

CHARLES CRAWFORD HINTON. Macon, Ga. 424 *N. Broadway.*
Ph. B., Emory College, 1909.

WALTER RICHARD HOLMES. Macon, Ga. 702 *N. Broadway.*
A. B., University of Georgia, 1909.

GILBERT HORRAX. Montclair, N. J. 2025 *N. Calvert St.*
A. B., Williams College, 1909.

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A. B., Mercer University, 1909.

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A. B., Princeton University, 1909.

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A. B., Central University of Kentucky, 1908, Fellow, 1908-1909, and A. M., 1909.

AMOS FRANCIS HUTCHINS. Barstow. 109 *N. Broadway.*
A. B., St. John's College, 1908.

EDWARD JELKS. Macon, Ga. 702 *N. Broadway.*
A. B., Mercer University, 1909.

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A. B., Franklin and Marshall College, 1907.

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A. B., Roanoke College, 1907, and A. M., 1909.

WALTER MAX KRAUS. New York, N. Y. 125 *Jackson Pl.*
A. B., Harvard University, 1910.

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S. B., Muhlenburg College, 1909.

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A. B., Yale University, 1909.

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S. B., Whitman College, 1909.

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S. B., Pomona College, 1908.

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A. B., Johns Hopkins University, 1909.

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A. B., Yale University, 1910; Medical Student, 1909-10.

CHALMERS HALE MOORE. Birmingham, Ala. 518 *N. Bdway.*
A. B., Washington and Lee University, 1909.

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A. B., Amherst College, 1907.

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A. B., Bryn Mawr College, 1909.

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A. B., University of Arkansas, 1909.

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Ph. B., Syracuse University, 1909.

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A. B., Randolph-Macon College, 1909.

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S. B., Coe College, 1909.

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A. B., University of Texas, 1909; Summer Session, University of Chicago, 1908.

LAWRENCE TYLER POST. St. Louis, Mo. 709 *St. Paul St.*
A. B., Yale University, 1909.

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S. B., Purdue University, 1908.

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S. B., University of Wisconsin, 1910, and M. S., 1911; Medical Student, 1909-11.

AUGUSTA RUBY SCOTT. Bethany, Ill. 104 *Jackson Place.*
Ph. B., University of Chicago, 1905; Universities of Zurich and Freiburg, 1907-09; Graduate Student, University of Freiburg, 1908-10.

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S. B., Colby College, 1909.

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A. B., University of Missouri, 1910, and A. M., 1911; Medical Student, 1909-11.

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A. B., Central University of Kentucky, 1908, and A. M., 1909.

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Ph. B., Brown University, 1907, and A. M., 1909.

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A. B., Leland Stanford Jr. University, 1909; Med. Dept., 1909-10.

BENJAMIN FRANCIS WEEMS, JR. Houston, Tex. 1131 *Cathedral St.*
A. B., Johns Hopkins University, 1909; Medical Student, University of Berlin and Freiburg, 1910-11.

NORMAN HARRIS WILLIAMS. Moodus, Conn. 804 *N. Bdway.*
Ph. B., Brown University, 1909.

WILLIAM WALTER YOUNG. Richmond, Va. 120 *Jackson Pl.*
A. B., Randolph-Macon College, 1909.

JACOB LANDIS ZIMMERMAN. Palmyra, Pa. 109 *N. Broadway.*
A. B., Franklin and Marshall College, 1909.

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Third Year

GROVER A. BATTEN. Lost Creek, W. Va. 716 *N. Bdway.*
A. B., Washington and Lee University, 1908.

STANHOPE BAYNE-JONES. New Orleans, La. 807 *St. Paul St.*
A. B., Yale University, 1910; Medical Student, Tulane University, 1910-11; Summer Quarter, University of Chicago, 1911.

MABEL BELT. Baltimore. 613 *Reservoir St.*
A. B., Goucher College, 1910.

RALPH BOERNE BETTMAN. Chicago, Ill. 112 *Jackson Pl.*
A. B., Williams College.

GOULD SHELTON BISSELL. Shelton, Conn. 113 *Jackson Pl.*
A. B., Yale University, 1909.

JULIUS BENJAMIN BOEHM. St. Louis, Mo. 318 *N. Broadway.*
S. B., St. Louis University, 1910.

KATE BRECKENRIDGE BOGLE. Danville, Ky. 1713 *Fairmount Av.*
A. B., Goucher College, 1909.

ERNEST SPEERS DU BRAY. Cincinnati, O. 318 *N. Broadway.*
A. B., University of Cincinnati, 1910.

NATHANIEL HAWLEY BRUSH. Towson. *Sheppard & Pratt Hospital.*
A. B., Johns Hopkins University, 1909.

FRANCIS PATRICK CARROLL. Hartford, Conn. 129 *Jackson Pl.*
S. B., Trinity College (Conn.), 1911.

DAVID WENDEL CARTER, JR. Georgetown, Tex. 120 *Jackson Pl.*
A. B., Southwestern University, 1909, and A. M., 1910.

DOROTHY CHILD. Philadelphia, Pa. 104 *Jackson Pl.*
A. B., Bryn Mawr College, 1910.

MILDRED CLARK. Brookline, Mass. 104 *Jackson Pl.*
A. B., Wellesley College, 1910.

HOWARD SPENCER COLWELL. Auburn, N. Y. 305 *N. Bdway.*
S. B., Colgate University, 1910.

CHARLES EDWARD CONNOR. Terre Haute, Ind. *Hotel Hopkins.*
A. B. and A. M., Indiana University, 1910 and 1912; Indiana University School of Medicine, 1908-1910.

ROBERT HOPE CRAWFORD. Rock Hill, S. C. 1814 *N. Bdway.*
S. B., Davidson College, 1910.

ISAAC DAVIS. Pittsburgh, Pa. 135 *Jackson Pl.*
A. B., Harvard University, 1910.

RALPH MOORE DODSON. Baker City, Ore. 131 *Jackson Pl.*
A. B., University of Oregon, 1910.

DRAYTON HOWARD DOHERTY. Selma, Ala. 113 *Jackson Pl.*
A. B., Howard College, 1910.

JOHN CALVERT DONALDSON. Philadelphia, Pa. 527 *N. Wolfe St.*
Ph. B., Yale University, 1910.

HARRY BRIGHT DORNBLASER. Springfield, O. 1222 *N. Broadway.*
A. B., Wittenberg College, 1907, and A. M., 1910.

CHESTER ARTHUR DOWNS. Portland, Ore. 1330 *N. Caroline St.*
A. B., University of Oregon, 1910; Medical Student, Harvard, 1910-11.

EDMUND FREDERIC DUCASSE. Baltimore. 1632 *Jefferson St.*
A. B., University of Washington, 1910.

WILLIAM CORE DUFFY. Kinston, N. C. 1028 *N. Broadway.*
A. B., Wake Forest College, 1910.

JOHN BAXTER DUNCAN. Macon, Ga. 111 *Jackson Pl.*
A. B., Mercer University, 1910.

GEORGE R. DUNN. Princeton, Minn. 1220 *N. Bdway.*
Ph. B., Hamline University, 1910.

AVIS CHIPPEWA EATON. Princeton, Minn. 104 *Jackson Pl.*
A. B., Wellesley College, 1909.

MARION W. EMRICK. Shamokin, Pa. 716 *N. Broadway.*
Ph. B., Franklin and Marshall College, 1910.

THOMAS SHEPHERD ENGLAR. Medford. 817 *N. Broadway.*
A. B., Western Maryland College, 1910; Medical Student, University of Wisconsin, 1910-11.

FRANK ALEXANDER EVANS. Wilkinsburg, Pa. 817 *N. Bdway.*
A. B., Washington and Jefferson College, 1910.

WALTER A. FANSLER. Sedalia, Mo. 1254 *N. Broadway.*
A. B. and A. M., University of Missouri, 1911 and 1912, and Medical Department, 1909-10 and 1911 and 1912.

ALLEN GARTHWRIGHT FECHTIG. Wilmington, N. C. 122 *Jackson Pl.*
A. B., University of the South, 1910; University of Virginia Summer School, 1911 and 1912, and Medical Department, 1910-1912.

LEROY NEWTON FLEMING. Oxford, O. 1021 *N. Broadway.*
A. B., Miami University, 1910.

MORRIS FLEXNER. Louisville, Ky. 109 *Jackson Pl.*
A. B., University of Michigan, 1910.

MARY LOUISE FRAZEE. Pittsburgh, Pa. 421 *N. Kenwood Av.*
A. B., Goucher College, 1908; Graduate Student, Johns Hopkins University, 1908-09.

HAROLD BEARCE GARDNER. New Hampton, Ia. 716 *N. Bdway.*
S. B., Grinnell College, 1910.

ELIZABETH E. GOODRICH. San Jose, Cal. 2016 *N. Calvert St.*
A. B., Vassar College, 1907; Stanford University, 1909-12, and Medical Department, 1910-12.

FLOYD GRAVE. Monrovia, Ind. 109 *N. Broadway.*
S. B., Carleton College, 1908.

HUGH JOHNSON HAGAN. Roanoke, Va. 111 *Jackson Pl.*
A. B., Washington and Lee University, 1910.

RAYMOND FISHER HAIN. Bernville, Pa. 1338 *N. Eden St.*
S. B., Bucknell University, 1910.

RAYMOND CONFER HALL. Mill Hall, Pa. 602 *W. North Av.*
S. B., Wesleyan University (Conn.), 1909.

HENRY HUNTON HAMPTON. Hill City, Tenn. 109 *N. Bdway.*
S. B., University of Tennessee, 1903.

BRYANT EUGENE HARRELL. Norfolk, Va. 1020 *N. Broadway.*
A. B., Randolph-Macon College, 1907.

WALTER CLARK HAUPT. Baltimore. 215 *Longwood Rd., Roland Pk.*
Ph. D., Johns Hopkins University, 1908; Graduate Student, University of Michigan, 1910.

MARY ASHMUN HODGE. San Diego, Cal. 104 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1908, and Graduate Student, 1909-10.

CHARLES WARREN HOOPER. Great Bend, Kan. 318 *N. Bdway.*
A. B., University of Kansas, 1911; Medical Student, 1909-11.

LYMAN FOSTER HUFFMAN. Galion, O. 1032 *N. Broadway.*
S. B., Ohio Wesleyan University, 1910.

JAMES ELDER HUTCHISON. Xenia, O. 702 *N. Broadway.*
A. B., Ohio State University, 1909; Graduate Student, Iowa State University, 1909-10.

RUTH INGRAHAM. Brooklyn, N. Y. 1210 *John St.*
A. B., Vassar College, 1907; Graduate Student, Barnard College, 1909-10.

WILLIAM DAVID JACK. Peru, Neb. 227 *W. Monument St.*
A. B., Creighton University, 1908; Graduate Student, University of Chicago, 1909-10.

WALTER FALKE JONES. Utica, N. Y. 1032 *N. Broadway.*
A. B., Hamilton College, 1908, and A. M., 1911.

WILLIAM S. KEISTER. Roanoke, Va. 1327 *N. Caroline St.*
A. B., Roanoke College, 1907; A. M., 1909.

CLAUDE CURRIE KELLY. Valdosta, Ga. 702 *N. Broadway.*
S. B., Davidson College, 1909.

CLARENCE SEARLE KETCHAM. Newburgh, N. Y. 518 *N. Bdway.*
B. L., Rutgers College, 1910.

JOHN THEODORE KING, JR. Baltimore. 1425 *Eutaw Place.*
A. B., Princeton University, 1910.

LEIGH SEWARD KRAKE. Sioux Falls, S. D. 131 *Jackson Pl.*
A. B., University of Nebraska, 1907.

FLOYD AUGUST MARTIN. El Dorado Springs, Mo. 1254 *N. Bdway.*
A. B. and A. M., University of Missouri, 1911 and 1912, and Medical Department, 1906-09.

NORMAN CLYDE MARVEL. Baltimore. 2026 *W. Fayette St.*
A. B., Johns Hopkins University, 1910.

JEROME MEYER. Uniontown, Ala. 113 *Jackson Pl.*
S. B., University of Alabama, 1908; Med. Dept., J. H. U., 1908-1910.

RUFUS AYERS MORISON. Big Stone Gap, Va. 2016 *N. Calvert St.*
Graduate, Virginia Military Institute, 1905.

ROSCOE E. MOSIMAN. Aberdeen, S. Dak. 1516 *E. Biddle St.*
S. B., Huron College, 1910.

ROBERT DAVIES MOYLE. Toronto, Canada. 112 *Jackson Pl.*
A. B., McMaster University, 1908.

JOHN SHAFER PLUMER. Emsworth, Pa.
S. B., University of Pittsburgh, 1909.

LESLIE HALL REDELINGS. Marinette, Wis. 1338 *N. Eden St.*
S. B., Northwestern University, 1909, and M. S., 1910.

JOHN DAVIS REICHARD. Fairplay. 109 *N. Broadway.*
A. B., Trinity College (Conn.), 1910.

FERDINAND OSCAR W. REINHARD. Baltimore. 1400 *Linden Ave.*
A. B., Johns Hopkins University, 1908.

AARON ROBINSON. Baltimore. 1100 *E. Fayette St.*
A. B., Johns Hopkins University, 1910.

ETHEL MAY ROCKWOOD. Townsend, Mass. *S. W. cor. Ann St. & Fairmount Av.*
S. B., Simmons College, 1909.

ALMA SOPHIA ROTHHOLZ. Baltimore. 2108 *Bolton St.*
A. B., Smith College, 1910.

LIPPMAN LEVY ROTHSCHILD. Buffalo, N. Y. 105 *Jackson Pl.*
A. B., Yale University, 1910.

HARRY SALTZSTEIN. Milwaukee, Wis. 109 *Jackson Pl.*
Ph. B., Yale University, 1910.

JOHN JOSEPH S. SCHMITT. Brooklyn, N. Y. 628 *S. Broadway.*
A. B., St. John's College (Brooklyn), 1910.

JOHN HOLT SEWELL. Jacksboro, Tex. 1041 *N. Bdway.*
E. E., University of Texas, 1908.

FLOYD ELMER SHAFFER. Lebanon, Pa. 1731 *Fairmount Av.*
A. B., Lebanon Valley College, 1910.

JOSEPH LESLIE SHERRICK. Monmouth, Ill. 527 *N. Wolfe St.*
A. B., Monmouth College, 1908; A. M., Yale University, 1910.

LEROY BRIGGS SHERRY. Pasadena, Cal. 716 *N. Bdway.*
A. B., University of Illinois, 1910.

RICHARD LEE SILVESTER. College Park. 817 *N. Broadway.*
S. B., Maryland Agricultural College, 1909, and Graduate Student, 1909-10.

JOHN FREDERICK SMITH. Cedar Falls, Ia. 804 *N. Washington St.*
A. B., Lake Forest University, 1907.

LANDON ELWOOD STUBBS. Belroi, Va. 1022 *N. Broadway.*
A. B., Randolph-Macon College, 1910.

HERBERT DOUGLAS TAYLOR. Baltimore. 1254 *N. Broadway.*
A. B., St. John's College, 1910.

OTTO E. UTZINGER. Astoria, Ore. 1731 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1910.

JOSEPH STEPHENS VANNEMAN. Havre de Grace. *Y. M. C. A.*
Ph. B., Dickinson College, 1910.

LAURIE VAN VALZAH. Springfield, Ore. 1044 *N. Bdway.*
A. B., University of Oregon, 1910.

JOHN MANNING VENABLE. Chapel Hill, N. C. 122 *Jackson Pl.*
A. B., University of North Carolina, 1910, and Medical Department, 1910-12.

JOSEPH WEBB. Springfield, O. *Y. M. C. A.*
A. B., Wittenberg College, 1910.

ROSCOE CLAYTON WEBB. Tracy, Minn. 518 *N. Broadway.*
A. B., University of Minnesota, 1911.

JEROME PIERCE WEBSTER. Plymouth, N. H. 305 *N. Bdway.*
A. B., Trinity College (Conn.), 1910.

HARRY EUGENE WILSON. Tilghmans. 1028 *N. Broadway.*
A. B., St. John's College, 1910.

SYLVAIN BEER WOLFF. Washington, La. 1234 *N. Bdway.*
S. B., Louisiana State University, 1910.

EVANS BEAUCHAMP WOOD. Troy, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1907, and M. S., 1908.

ALAN CHURCHILL WOODS. Baltimore. 842 *Park Av.*
A. B., Johns Hopkins University, 1910.

HERBERT MAXWELL NASH WYNNE. Bethany, W. Va. 1222 *N. Bdway.*
S. B., Bethany College, 1906, and A. M., 1907; Graduate Student Ohio State University, 1909.

ISADORE ZADEK. Montgomery, Ala. 101 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1910.

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Second Year

FRANK EARL ADAIR. Beverly, O. 112 *Jackson Pl.*
A. B., Marietta College, 1910.

WILLIAM WILLIS ANDERSON. Danburg, Ga. 810 *N. Broadway.*
A. B., University of Georgia, 1911.

HARVEY MONTREVILLE ANDREW. Deer Lick, Pa. 917 *N. Broadway.*
S. B., Waynesburg College, 1911.

CHARLES ARMSTRONG. Alliance, O. 1033 *N. Broadway.*
S. B., Mount Union College, 1910.

DANA WINSLOW ATCHLEY. Asbury Park, N. J. 503 *N. Wolfe St.*
S. B., University of Chicago, 1911.

JOHN AULL. Lexington, Mo. 1022 *N. Bdway.*
A. B., University of Virginia, 1911.

ARTHUR MAYNARD BACON. Westminster. 1017 *N. Broadway.*
A. B., Western Maryland College, 1911.

JOHN COOK BALDWIN. Brooklyn, N. Y. 1017 *N. Bdway.*
S. B., Hamilton College, 1910; Graduate Student, University of Berlin, 1910-11.

JOSEPH LAMSON BARBER. Portland, Ore. 111 *Jackson Pl.*
A. B., University of Oregon, 1907; Graduate Student, University of Chicago, Jan.-Sept., 1908, and University of Oregon, 1909-1910.

ROGER PUTNAM BATCHELOR. Milwaukee, Wis. 1727 *N. Bdway.*
A. B., University of Wisconsin, 1911.

HAROLD EDWARDS BATES. Portland, Ore. 1327 *N. Caroline St.*
A. B., University of Oregon, 1910.

LEO CHAPMAN BEAN. Gallipolis, O. 1731 *N. Bdway.*
Ph. B., Ohio University, 1911.

LEONARD JULIUS BERNSTEIN. Sutton, W. Va. 308 *N. Gilmor St.*
S. B., West Virginia University, 1912, and School of Medicine, 1910-12.

GEORGE BRAUNLICH. Davenport, Ia. 529 *N. Wolfe St.*
Ph. B., University of Chicago, 1910.

SAM BROCK. Carrollton, Ga. 726 *N. Broadway.*
A. B., University of Georgia, 1911.

WALTER C. BURKETT. Kingman, Kans. 1336 *N. Caroline St.*
S. B., University of Chicago, 1911.

JAMES JULIAN CHISOLM. Natchez, Miss. 109 *Jackson Pl.*
A. B., Princeton University, 1911.

ROBERT ALBERT CHRISTMAN. Kresgeville, Pa. 144 *Jackson Pl.*
Ph. B., Lafayette College, 1911.

FREDERICK CHRISTOPHER. Evanston, Ill. 1032 *N. Broadway.*
S. B., Northwestern University, 1911.

ADAMONT HALSEY CLARK. Miyazaki, Japan. 1032 *N. Bdway.*
A. B., Oberlin College, 1910.

JEFFERSON HAMER CLARK, JR. Philadelphia, Pa. 424 *N. Bdway.*
A. B., Haverford College, 1911.

SAMUEL WALCOTT CLAUSEN. Canandaigua, N. Y. 125 *Jackson Pl.*
A. B., Williams College, 1910; Graduate Student, Princeton University, 1910-11.

HARRY DUFFIELD CLOUGH. New Bedford, Mass. 1012 *N. Bdway.*
A. B., Brown University, 1908, and A. M., 1911.

ALVA BROWN CRADDOCK. Jackson's Gap, Ala. 318 *N. Bdway.*
B. Sc., Howard College, 1908, and M. Sc., 1909, and Special Student, 1911.

RENA CRAWFORD. Columbus, Miss. 102 *Jackson Pl.*
Ph. B., University of Chicago, 1903; A. M., Columbia University, 1910.

ROBERT SYDNEY CUNNINGHAM. Anderson, S. C. 506 *N. Broadway.*
S. B. and A. M., Davidson College, 1911.

ARTHUR BLISS DAYTON. Nangatuck, Conn. 101 *Jackson Pl.*
Ph. B., Yale University, 1911.

BEECKMAN J. DELATOUR. Brooklyn, N. Y. 1727 *N. Bdway.*
S. B., Amherst College, 1911.

WOODS FREDERICK DERR. Watsontown, Pa. 1119 *N. Caroline St.*
A. B., Bucknell University, 1911.

MARJORIE DIETZ. Hazleton, Pa. 1705 *Fairmount Av.*
A. B., Wellesley College, 1907.

HAROLD BALL DISBROW. Lakewood, N. J. 135 *Jackson Pl.*
A. B., Princeton University, 1911.

DU MONT F. ELMENDORF. New Brunswick, N. J. 1731 *N. Bdway.*
A. B., Rutgers College, 1911.

RUTH ELDRED FAIRBANK. Jacksonville, Ill. 1739 *Fairmount Av.*
A. B., Illinois College, 1911.

ROY EDWIN FALLAS. Los Angeles, Cal. 112 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1911.

OTTO ALOIS FAUST. Schenectady, N. Y. 1900 *Jefferson St.*
Ph. B., Union College, 1911.

WILLIAM CARSON VON GLAHN. Wilmington, N. C. 706 *N. Bdway.*
S. B., Davidson College, 1911.

SAMUEL JAMES GLASS, JR. Pittsburgh, Pa. 1625 *N. Bdway.*
S. B., University of Pittsburgh, 1911.

WILLIAM MAYES GOBER, JR. Marietta, Ga. 1034 *N. Broadway.*
A. B., University of Georgia, 1909.

CALVIN HOOKER GODDARD. Baltimore. *The Walbert.*
A. B., Johns Hopkins University, 1911.

LEWIE MULLER GRIFFITH. Columbia, S. C. 426 *N. Wolfe St.*
S. B., University of South Carolina, 1908.

ROY GRIFFITH. Bogart, Ga. 1006 *N. Broadway.*
S. B., University of Georgia, 1911.

RUSSELL LANDRAM HADEN. Crozet, Va. 1032 *N. Broadway.*
A. B., University of Virginia, 1910, and A. M., 1911.

WILLIAM MORRIS HAPP. Macon, Ga. 726 *N. Broadway.*
A. B., University of Georgia, 1911.

VERNON OFFUTT HEDDENS. St. Joseph, Mo. 428 *N. Bdway.*
A. B., University of Missouri, 1910.

JOHN TAYLOR HENDERSON. Macon, Ga. 802 *N. Broadway.*
A. B., Mercer University, 1910; Medical Department Johns Hopkins University, 1910-11; Summer Session, University of Michigan, 1911.

FRANK M. HOUCK. Boiling Springs, Pa.
Ph. B., Dickinson College, 1910.

STEWART VERNON IRWIN. Oakland, Cal. 718 *N. Broadway.*
S. B., University of California, 1911.

MORRIS JOSEPH. Passaic, N. J. 726 *N. Broadway.*
S. B., New York University, 1911; Student, Bellevue Hospital Medical College, 1910-11.

EDWARD KERK LEE. Perryman. 125 *Jackson Place.*
A. B., Loyola College, 1910; Graduate Student, J. H. U., 1910-11.

CHARLES HAROLD MCCLOY. Danville, Va. 2011 *E. 31st St.*
Ph. B., Marietta College, 1907, and A. M., 1910.

ROGER BOWER MCKAHAN. Waynesburg, Pa. 2216 *N. Charles St.*
Ph. B., Waynesburg College, 1911.

FLOYD WILCOX MACRAE, JR. Atlanta, Ga. 305 *N. Broadway.*
Ph. B., Yale University, 1911.

LEE VICTOR MAHONEY. Portsmouth, Va. 1007 *N. Bdway.*
A. B., Rock Hill College, 1911.

HERTEL PHILIP MAKEL. Baltimore. 411 *N. Luzerne St.*
A. B., Johns Hopkins University, 1911.

MARY TAYLOR MASON. Philadelphia, Pa. *Hotel Sherwood.*
A. B., Bryn Mawr College, 1892, and Graduate Student, 1893-94 and 1909-11.

VERNE RHEEM MASON. Long Beach, Cal. 718 *N. Bdway.*
S. B., University of California, 1911.

KENNETH FULLER MAXCY. Baltimore. 2633 *Guilford Av.*
A. B., George Washington University, 1911.

DAVID RALPH MELEN. Rochester, N. Y. 726 *N. Bdway.*
S. B., University of Rochester, 1911.

JAMES SAMUEL MITCHENER. Selma, N. C. 1505 *N. Broadway.*
S. B., Davidson College, 1909; Medical Student, University of Maryland, 1909-11.

HAROLD SYDNEY MORGAN. San Diego, Cal. 1731 *Fairmount Av.*
A. B., Leland Stanford Jr. University, 1912, and Medical Department, 1911-12.

JOHN GARDNER MURRAY, JR. Baltimore. *Charles St. Av. and University Parkway.*
A. B., Johns Hopkins University, 1911.

HARVEY HUSTON MUSSER. Akron, O. 136 *Richmond St.*
A. B., Johns Hopkins University, 1911.

THOMAS CHRISTIAN PEIGHTAL. Altoona, Pa. 309 *N. Broadway.*
Ph. B., Franklin and Marshall College, 1911.

GEORGE HEINRICHS PRESTON. Baltimore. 819 *N. Charles St.*
A. B., Johns Hopkins University, 1911.

MARY PUTNAM. New York, N. Y. 102 *Jackson Pl.*
A. B., Bryn Mawr College, 1910.

GEORGE KREMER RHODES. Berkeley, Cal. 1731 *Fairmount Av.*
S. B., University of California, 1912, and Medical Department, 1911-12.

DAVIS NEEPER RICHARDS. Germantown. 1322 *N. Caroline St.*
A. B., University of Wooster, 1911.

GILBERT WHITE ROSENTHAL. Baltimore. 815 *Newington Av.*
A. B., Johns Hopkins University, 1910, and Graduate Student, 1910-11.

ADOLPH GEORGE SCHNACK. Honolulu, H. I. 428 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1910; A. M., Yale University, 1911.

KATHARINE JULIA SCOTT. Pittsfield, N. H. 626 *N. Carrollton Av.*
A. B., Wellesley College, 1910; Graduate Student, Radcliffe College, 1910-1911.

JUDD CAMPBELL SHELLITO. Independence, Ia. 109 *Jackson Pl.*
S. B., Princeton University, 1911.

DONALD MARSH SHEWBROOKS. Holden, Mass. 1029 *N. Bdway.*
A. B., Middlebury College, 1909.

HARVEY M. SLATER. Salem, Ore. 328 *Ashton St.*
A. B., University of Oregon, 1911.

DANIEL CLARK WHARTON SMITH 2D. Baltimore. 1020 *N. Bdway.*
Ph. B., Yale University, 1911.

LUCIUS ERNEST SMITH. Lexington, Ky. 1303 *E. Biddle St.*
S. B., University of Kentucky, 1911.

L. HOWARD SMITH. Huron, S. Dak. 802 *N. Broadway.*
S. B., Huron College, 1910.

JOHN D. SOUTHWORTH. Glendale, O. 1119 *N. Caroline St.*
A. B., Kenyon College, 1911.

VIRGIL PRESTON WILLIS SYDENSTRICKER, West Point, Miss.
A. B., Washington and Lee University, 1910, and A. M., 1911. 109 *N. Broadway.*

BENJAMIN TAPPAN. Baltimore. 1419 *Bolton St.*
A. B., Johns Hopkins University, 1911.

CHARLES ROBERT THOMAS. Westminster. 810 *N. Broadway.*
A. B., Western Maryland College, 1911.

WILLIAM CLARK THOMAS. Bartow, Ga. 726 *N. Broadway.*
A. B., Emory College, 1911.

DONALD VAUGHN TRUEBLOOD. Seattle, Wash. 1336 *N. Caroline St.*
A. B., University of Washington, 1911.

PRESCOTT STEARNS TUCKER. Washington, D. C.
A. B., George Washington University, 1911. 1336 *N. Caroline St.*

JOHN CALVIN TURNER, JR. Camilla, Ga.
S. B., Davidson College, 1908; A. M., 1909; Graduate Student, Columbia University Summer School, 1910-11.

VICTOR ROLAND TURNER. Newark, O.
S. B., Denison University, 1909; A. M., Harvard University, 1911.

JOHN EDWARD WALKER. Alexander City, Ala. 1034 *N. Bdway.*
S. B., Alabama Polytechnic Institute, 1910, and M. S., 1911.

CHARLES LUTHER WARNER. Baltimore. *Forest Park.*
A. B., Johns Hopkins University, 1911.

CHARLES ALOYSIUS WELCH. New Haven, Ct. 318 *N. Broadway.*
A. B., Yale University, 1911.

ROY GILLILAN WERNER. Columbus, O. 109 *N. Broadway.*
A. B., Ohio State University, 1909, and Graduate Student, 1909-10; Medical Student, University of Chicago, Summer, 1911.

LAWRENCE RICHARDSON WHARTON. Baltimore. 1034 *N. Broadway.*
Ph. B., Hiram College, 1907; Graduate Student, Johns Hopkins University, 1910, and De Pauw University, 1911.

HENRY STAFFORD WHISMAN. Salinas, Cal. 1032 *N. Broadway.*
S. B., University of California, 1911.

LOUIS HICKS WILLIAMS. Faison, N. C. 1012 *N. Broadway.*
A. B., University of North Carolina, 1911.

EDWARD BLAINE WIX. New York, N. Y. 101 *Jackson Pl.*
Ph. B., Yale University, 1911.

F. SIMON WOO. Chang Chow, China. 249 *W. Hoffman St.*
A. B., St. John's University, Shanghai, 1910; Graduate Student, Johns Hopkins University, 1910-11.

First Year

HERMAN S. APPLEBAUM. Baltimore.
A. B., Johns Hopkins University, 1912.

EMILY PARTRIDGE BACON. Moorestown, N. J. 127 *Jackson Pl.*
A. B., Wilson College, 1912.

IRVIN C. BARCLAY. Macomb, Ill. 1529 *N. Broadway.*
S. B., Knox College, 1912.

BRYAN ANDERSON BARLOW. Ashford, Ala. 1021 *N. Broadway.*
S. B., University of Alabama, 1912.

PIO BLANCO. San Juan, P. R. 802 *N. Broadway.*
S. B., Washington and Jefferson College, 1912.

THOMAS FREDERICK BOCH. Yards, Va. 1232 *N. Broadway.*
A. B., Washington and Lee University, 1912.

HARRY J. BURKHOLDER. Monmouth, Ill. 1529 *N. Broadway.*
S. B., Monmouth College, 1912.

JOHN JOSEPH CARDEN, JR. Honolulu, H. T. 130 *Jackson Pl.*
S. B., University of California, 1912.

SEYMOUR GARLAND CLARK. Darien, Ga. 1020 *N. Broadway.*
Ph. B., Emory College, 1912.

ELWOOD HARRIS COURTER. Basking Ridge, N. J. 1029 *N. Bdway.*
S. B., Bucknell University, 1912.

WILLIAM WALTER CUMMINGS. Providence, R. I.
A. B., Brown University, 1912.

FRANK IRONS DARROW. Fargo, N. Dak. 1711 *Fairmount Av.*
S. B., North Dakota Agricultural College, 1912.

JOHN ALLEN DOUGHERTY. Baton Rouge, La. 1234 *N. Bdway.*
A. B., Louisiana State University, 1912.

JOSEPH PUGH EIDSON. Eaton, O. 1216 *N. Broadway.*
A. B., Miami University, 1912.

PRUDENCE H. ELLIS. Charles City, Iowa.
A. B., Vassar College, 1910; Graduate Student, University of Chicago, 1911-12.

JAMES ALLAN ETHERIDGE. Macon, Ga.
A. B., University of Georgia, 1912.

WILLIAM PARKER FINNEY, JR. Lincoln University, Pa.
A. B., Princeton University, 1908; Graduate Student, Johns Hopkins University, 1911-12. 1300 *Eutaw Pl.*

LLOYD DERR FELTON. Magnolia, O. 914 *Ellwood Av.*
A. B., Wooster University, 1910; Graduate Student, Columbia University.

ROY LAMAR FIELDER. Spring Valley, Va.
A. B. and S. B., Emory and Henry College, 1912.

ROBERT GUY FULLER. Baton Rouge, La.
S. B., Louisiana State University, 1907.

THOMAS OWEN GAMBLE. Jasper, Ala. 1021 *N. Broadway.*
A. B., University of Alabama, 1912.

WALTER EDWARD GREMPLER. Baltimore.
A. B., Johns Hopkins University, 1912.

DAVID HORACE HALLOCK. Southampton, L. I., N. Y. 941 *N. Bdway.*
A. B., Hamilton College, 1912.

HOWARD HARRISON HAMMAN. Greensburg, Pa. 1119 *N. Caroline St.*
S. B., Allegheny College, 1912.

MARGARET IRVING HANDY. Smyrna, Del. 2030 *N. Calvert St.*
A. B., Goucher College, 1911.

JOHN WARTON HARRIS. Reidsville, N. C. 1040 *N. Bdway.*
A. B. and A. M., University of North Carolina, 1911-12.

GEORGE ARGALE HARROP, JR. South Bend, Ind. 1232 *N. Bdway.*
A. B., Harvard University, 1912.

CHARLES MAXWELL HARMON. Cassopolis, Mich. 1027 *N. Caroline St.*
A. B., Lake Forest College, 1912.

ROBERT MULLINEAUX HEINE. Ellicott City.
A. B., St. John's College, 1910.

GEORGE WILLIAM HENRY. Oswego, N. Y. 941 *N. Broadway.*
A. B., Wesleyan University (Conn.) 1912.

FREDERICK KARL HERPEL. Reynoldsville, Pa. 1119 *N. Caroline St.*
A. B., Allegheny College, 1912.

ELIJAH MAXIE HICKS, JR. Coward, S. C. 1041 *N. Broadway.*
A. B., Furman University, 1912; and A. M., 1913.

ROBERT CARHART HOOD. Clarksburg, W. Va. 817 *N. Bdway.*
A. B., Washington and Lee University, 1912.

JACK MASON HUNDLEY. Baltimore. 1009 *Cathedral St.*
A. B., St. John's College, 1912.

EDWARD EARLE HUSSEY. Wichita, Kans. 802 *N. Broadway.*
A. B., St. Mary's College (Kan.), 1911; Graduate Student, Johns Hopkins University, 1911-12.

ROBERT WILKINSON JOHNSON, JR. Baltimore. 101 *W. Franklin St.*
A. B., Princeton University, 1912.

JOSEPH KETZKY. Montgomery, Ala. 109 *Jackson Pl.*
S. B., Alabama Polytechnic Institute, 1912.

ARTHUR LYMAN KINNE. Holyoke, Mass. 1019 *N. Bdway.*
A. B., Dartmouth College, 1912.

CLARA LANGENBECK. Cincinnati, O. 803 *N. Eutaw St.*
S. B., University of Cincinnati, 1895.

JOSEPH SELL LAWRENCE. York, Pa. 810 *N. Broadway.*
A. B., Franklin and Marshall College, 1904, and A. M., 1912.

HUGH FRANCIS LENA. Lawrence, Mass. 309 *N. Bdway.*
A. B., Dartmouth College, 1912.

HARRY LINDEN. Baltimore. 1812 *E. Fayette St.*
A. B., Johns Hopkins University, 1912.

ASA LIGGETT LINCOLN. Lacey Spring, Va. 817 *N. Bdway.*
A. B., Elon College, 1910, and A. M., 1911.

JOHN GABRIEL LONG. Lancaster, Pa. 1137 *Myrtle Av.*
A. B., Franklin and Marshall College, 1912.

IRVING KENNEDY LOVETT. Little Silver, N. J. 1814 *N. Bdway.*
Ph. B., Lafayette College, 1912.

EDITH HELEN MAAS. New York, N. Y. 127 *Jackson Pl.*
A. B., Vassar College, 1912; Columbia University, Summer 1912.

RICHARD S. MAJOR. Johnsonville, S. C. 828 *N. Bdway.*
A. B., Wofford College, 1909.

WALTER BRAMBLETTE MARTIN. Norfolk, Va.
S. B., Virginia Polytechnic Institute, 1909.

NEVIN CALVIN MAYER. Youngstown, O.
A. B., Heidelberg University (Tiffin, O.), 1912.

LAWRENCE KINSMAN MCCAFFERTY. Columbus, O.
A. B., Kenyon College, 1912.

CHARLES LEE MCCARTHY. Princeton, N. J.
S. B., Princeton University, 1912.

FREDERICK A. MILLER. Hagerstown.
A. B., St. John's College, 1912.

HOWARD STEPHEN MILLER. Freedom, Pa. 1625 *N. Broadway.*
S. B., University of Pittsburgh, 1912.

MILO KIRK MILLER. Urbana, Ill. 305 *N. Broadway.*
A. B., University of Illinois, 1912.

WILLIAM THOMAS MITCHELL, JR. Pittsburgh, Pa. 1625 *N. Bdway.*
S. B., University of Pittsburgh, 1912.

JOHN HENRY MULLIN. Wilmington, Del.
S. B., Princeton University, 1912.

DAVID REID MURCHISON. Wilmington, N. C. 122 *Jackson Pl.*
A. B., University of North Carolina, 1912.

KATHARINE HUNTINGTON NEWTON. Durham, Conn. 104 *Jackson Pl.*
A. B., Mt. Holyoke College, 1912.

HUBERT MAURICE NICHOLSON. Muskagee, Okla.
S. B., University of Oklahoma, 1912.

MOSBY HALE PAYNE. Vera, Va.
A. B., Washington and Lee University, 1911.

LESTER MCKESSON PELTON. Laramie, Wyo. 942 *N. Broadway.*
A. B., Oberlin College, 1911.

ESTHER MARGUERITE PARK. Warren, N. H. 1713 *Fairmount Av.*
A. B., Wellesley College, 1910.

ALFRED PFITSCH, JR. Baltimore. 408 *Park Av.*
A. B., Western Maryland College, 1912.

CHARLES BERNARD PRITCHETT. Danville, Va. 1612 *E. Biddle St.*
A. B., Washington and Lee University, 1912.

THOMAS CRAIG REDFERN. Clemson College, S. C. 1022 *N. Bdway.*
S. B., Clemson College, 1912.

HORACE WITHERS REID. Danville, Ky. 1201 *N. Caroline St.*
A. B., Central University of Kentucky, 1911, and A. M., 1912.

FRED DAWSON REYNOLDS. Brundidge, Ala. 1021 *N. Bdway.*
S. B., University of Alabama, 1912.

LAWRENCE REYNOLDS. Ozark, Ala. 1021 *N. Broadway.*
A. B., University of Alabama, 1912.

FRANCIS ERRETT ROBERTS. Moundsville, W. Va. 828 *N. Bdway.*
A. B., Bethany College, 1912.

CHARLES EDWIN SEVIER. Brownsville, Tenn.
S. B., Vanderbilt University, 1912.

JOHN ALSTON SEVIER. Brownsville, Tenn. 1614 *E. Biddle St.*
S. B., Vanderbilt University, 1912.

DANIEL GLEN SMITH. Schenectady, N. Y.
S. B., Union College, 1912.

TAYLOR BIVENS SMITH. Caldwell, O. 1216 *N. Broadway.*
A. B., Marietta College, 1912.

JAMES SPENCER SPEED. Roanoke, Va. 111 *Jackson Pl.*
A. B., University of Virginia, 1912.

LAWRENCE EMERSON SPROUT. Picture Rocks, Pa. 1029 *N. Bdway.*
S. B., Bucknell University, 1912.

WILIAM STARR. Eau Claire, Wis.
A. B., University of Wisconsin, 1912.

RICHARD ERNEST STIFEL. Pittsburgh, Pa. 1216 *N. Bdway.*
A. B., Harvard University, 1912.

JAMES KENT STODDARD. Mt. Holly, N. J. 1322 *N. Caroline St.*
A. B., Princeton University, 1912.

ALAN CALLENDER SUTTON. Baltimore. 2321 *Callow Av.*
A. B., Johns Hopkins University, 1912.

THOMAS LYNN SUTTON. Zanesville, O. 1119 *N. Caroline St.*
A. B., University of Michigan, 1912.

HENRY M. THOMAS, JR. Baltimore. 1228 *Madison Av.*
S. B., Haverford College, 1912.

JUNIUS ERNEST WARRINER, JR. Richmond, Va. 1232 *N. Broadway.*
A. B., Richmond College, 1912.

ISABEL MARY WASON. Lowell, Ind. 104 *Jackson Pl.*
A. B., The Western College for Women, 1911.

MAURICE CORNELIUS WENTZ. Lineboro, Md. 1019 *N. Broadway.*
S. B., Pennsylvania College, 1912.

THEODORA WHEELER. Fairfield, Conn. 102 *Jackson Pl.*
A. B., Vassar College, 1911.

SAMUEL AUGUSTUS WHITE. Savannah, Ga. 122 *Jackson Pl.*
S. B., University of South Carolina, 1912.

HAROLD PAUL WHYTE. Arctic, R. I. 1010 *N. Broadway.*
A. B., Laval University, 1911; Graduate Student, Johns Hopkins University, 1911-12.

GEORGE BERNAYS WISLOCKI. St. Louis, Mo. 1404 *McCulloh St.*
A. B., Washington University (St. Louis), 1912.

HILDA WOOD. New York, N. Y. 105 *Jackson Pl*
A. B., Barnard College, 1909; A. M., Columbia University, 1910.

ERNEST LUDWIG ZIMMERMAN. New Bedford, Mass. 309 *N. Bdway.*
A. B., Dartmouth College, 1912.

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PHYSICIANS ATTENDING GRADUATE COURSES DURING 1911-1912

EDWIN C. AXFORD. Talbotville, Ont.
M. D., Western University (Ont.), 1910. *Medicine.*

EDMUND S. BOICE. Richmond, Va.
M. D., University of Pennsylvania, 1909. *Surgical Pathology.*

SHAO-CHING H. CHUAN. Peking, China.
M. D., Imperial Medical College, 1904. *Gross Anatomy.*

H. ROSS CLARK. Mulberry, Ind.
M. D., Beaumont Hospital Medical College (St. Louis), 1901. *Gross Anatomy, Pathology, Hygiene* and *Medicine.*

FRANK M. DENSLOW. Kansas City, Mo.
M. D., University of Kansas, 1906. *Genito-Urinary Surgery.*

CLARENCE E. FARISH. Brewton, Ala.
M. D., University of Alabama, 1906. *Genito-Urinary Surgery.*

FREDERICK W. FOCHTMAN. Cumberland.
M. D., College of Physicians and Surgeons (Baltimore), 1889. *Cystoscopy.*

ERNEST H. GAITHER. Baltimore.
M. D., Baltimore Medical College, 1905. *Medicine and Physiology.*

ANDREW COLIN GILLIS. Baltimore.
M. D., College of Physicians and Surgeons (Baltimore), 1904. *Physiology.*

SAMUEL GOLDBERG. McKeesport, Pa.
M. D., University of Pittsburg, 1910. *Medicine.*

HARRY C. GOODSON. Colorado Springs, Colo.
M. D., St. Louis University, 1904. *Medicine.*

DAVID J. HALE. Terre Haute, Ind.
M. D., Rush Medical College, 1905. *Medicine.*

DAVID G. HARVEY. Philadelphia, Pa.
M. D., Hahnemann Medical College, 1894. *Gynecological Pathology.*

JAMES LEWIS HEFFERMAN. Jellico, Tenn.
M. D., University of Louisville, 1887. *Medicine.*

CHARLES P. HIGGINS. Vancouver, B. C.
M. D. C. M., McGill University, 1899. *Pediatrics and Surgery.*

CHARLES A. JOHNSTON. Bluefield, W. Va.
M. D., College of Physicians and Surgeons (Balt.), 1889. *Dermatology.*

KENNETH B. JONES. Baltimore.
M. D., University of Maryland, 1911. *Medicine.*

LINWOOD M. KELLEY. Manchester, Vt.
M. D., University of Vermont, 1904. *Pediatrics and Medicine.*

ADAM KEMBLE. Washington, D. C.
M. D., George Washington University, 1905. *Genito-Urinary Surgery.*

FRED G. KOLB. Paterson, N. J.
M. D., Medico-Chirurgical College (Phila.), 1908. *Pathology.*

WILLIAM R. LIGHTBODY. Manchester, N. H.
M. D., Harvard University, 1910. *X-Ray Diagnosis.*

RALPH LOVELADY. Sidney, Ia.
M. D., Creighton University, 1911. *Medicine.*

GEORGE B. MARTIN. Richmond, Va.
M. D., Medical College of Virginia, 1910. *Genito-Urinary Surgery.*

ROBERT S. PAGE. Belair.
M. D., University of Maryland, 1898. *Special Research.*

GUY S. PEPPERS. Fredericton, N. B.
M. D., Baltimore Medical College, 1911. *Genito-Urinary Surgery.*

WALTER S. PHILLIPS. Rapidan, Va.
M. D., University of Maryland, 1897. *Genito-Urinary Surgery.*

J. WILLIAM PIERSON. Baltimore.
M. D., University of Maryland, 1905. *Medicine.*

BORIS POKROVSKI. Moscow, Russia.
M. D., University of St. Petersburg, 1907. *Surgery and Gynecology.*

JAMES CHAMBERS PRYOR. Washington, D. C.
M. D., University of Nashville, 1894, and Vanderbilt University, 1895. *Hygiene.*

JAMES F. SALTRY. Scranton, Pa.
M. D., College of Physicians and Surgeons (Balt.), 1887. *Medicine.*

HUBERT SCHOONMAKER. Clifton Springs, N. Y.
M. D., New York University, 1891. *Medicine.*

HENRY S. WEIGLE. Harrisburg, Pa.
M. D., University of Pennsylvania, 1908. *Gross Anatomy.*

CLARENCE C. WILEY. Troy, Ala.
M. D., Baltimore Medical College, 1908. *Genito-Urinary Surgery.*

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Geographical Distribution of Students Enrolled and Their Places of Graduation

Alabama	12	North Carolina	11
Arkansas	2	North Dakota	2
California	12	Ohio	22
Connecticut	9	Oklahoma	1
Delaware	2	Oregon	8
District of Columbia	2	Pennsylvania	34
Georgia	18	Porto Rico	1
Hawaiian Islands	2	Rhode Island	3
Illinois	8	South Carolina	6
Indiana	8	South Dakota	3
Iowa	7	Tennessee	3
Kansas	3	Texas	4
Kentucky	10	Utah	1
Louisiana	5	Vermont	1
Maine	2	Virginia	20
Maryland (Baltimore, 35)	52	Washington	3
Massachusetts	9	West Virginia	5
Michigan	1	Wisconsin	6
Minnesota	3	Wyoming	1
Mississippi	3		
Missouri	8	*Foreign*	
Nebraska	1		
New Hampshire	3	Canada	1
New Jersey	11	China	1
New York	23	Japan	1

Alabama Polytechnic Inst.	4	California, University of	6
Alabama, University of	5	Carleton College	1
Allegheny College	3	Central University (Ky.)	4
Amherst College	2	Chicago, University of	6
Arkansas, University of	2	Cincinnati, University of	2
Barnard College	1	Clemson Coll	1
Bethany College	1	Coe College	1
Brown University	4	Colby College	2
Bryn Mawr College	4	Colgate University	1
Bucknell University	4	Creighton University	1

Dartmouth College	3
Davidson College	6
Dickinson College	2
Elon College	1
Emory College	3
Emory and Henry Coll.	1
Franklin & Marshall College	6
Furman University	1
Georgetown College (Ky.)	2
Georgia, University of	8
George Washington Univ.	2
Goucher College	4
Grinnell College	1
Hamilton College	3
Hamline University	1
Harvard University	6
Haverford College	3
Heidelberg (Ohio)	1
Hiram College	1
Howard College	2
Huron College	2
Illinois College	1
Illinois, University of	2
Indiana University	3
Iowa, University of	1
Johns Hopkins University	24
Kansas, University of	1
Kentucky State University	2
Kenyon College	2
Knox College	1
Lafayette College	2
Lake Forest University	2
Leland Stanford Jr. Univ.	6
Lebannon Valley College	1
Laval University	1
Louisiana State University	4
Loyola College	1
Marietta College	3
Maryland Agricultural Coll.	1
McMaster University	1
Mercer University	4
Miami University	2
Michigan, University of	2
Middlebury College	1
Minnesota, University of	1
Missouri, University of	4
Monmouth College	1
Mt. Holyoke College	1
Mt. Union College	1
Muhlenburg College	1
Nebraska, University of	1
New York University	1
North Carolina, Univ. of	5
N. Dakota Agri. College	2
Northwestern University	2
Oberlin College	2
Ohio State University	4
Ohio University	1
Oklahoma, University of	1
Oregon, University of	6
Pennsylvania College	1
Pittsburgh, University of	4
Pomona College	1
Princeton University	11
Purdue University	1
Randolph-Macon College	5
Richmond College	2
Roanoke College	1
Rochester, University of	1
Rock Hill College	1
Rutgers College	2
Simmons College	1
Smith College	1
South Carolina, Univ. of	2
South, University of	1
Southwestern University	1
St. John's Coll. (Annapolis)	7
St. John's Coll. (Brooklyn)	1
St. John's Univ. (Shanghai)	1
St. Louis University	1
St. Mary's Coll. (Kentucky)	1
Syracuse University	2
Tennessee, University of	1
Texas, University of	2
Trinity College (Conn.)	4
Union College	2
Vanderbilt University	2
Vassar College	6

Virginia Military Institute..	1
Virginia Polytechnic Inst....	1
Virginia, University of.....	3
Wabash College.....	1
Wake Forest College.....	2
Washington, University of...	2
Washgtn. Univ. (St. Louis).	1
Washington & Jeffers'n Coll..	3
Washington & Lee Univ....	8
Waynesburg College.....	2
Wellesley College.....	5
Wesleyan Univ. (Conn.)....	2
Wesleyan Univ. (Ohio).....	2
West Lafayette College.....	1
Western Coll. for Women...	1
Western Maryland College..	4
West Virginia, Univ. of.....	1
Whitman College.....	1
Whitworth College.....	1
Williams College.....	3
Wilson College.....	1
Wisconsin, University of....	4
Wittenberg College.....	2
Wofford College.....	1
Wooster, University of.....	2
Yale University.....	17

DOCTORS OF MEDICINE OF THE JOHNS HOPKINS UNIVERSITY

(When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.)
Students receiving degrees at other times than the regular June Commencement are placed in a separate group at the end of each class list.

1897

Charles Russell Bardeen, A. B., Harvard, 1893; Asst., Assoc., and Assoc. Prof. of Anatomy, 1897-04.—Prof. of Anatomy and Dean Med. Sch. Univ. of Wisconsin, Madison.

Thomas Richardson Brown, A. B., 1892; Resident House Officer, 1897-98; Asst. Physician and Assoc. in Medicine; Assoc. Editor, Maryland Med. Jour.; Physician, Baltimore.

*Walter S. Davis, S. B., Amherst, 1893: Resident House Officer, 1897-98.

Louis Philip Hamburger, A. B., 1893: Resident House Officer, 1897-98.—Assoc. and Asst. Physician; Attending Physician, Union Prot. Infirmary; Hebrew Hosp.; Hosp. for Women of Md.; Church Home and Infirmary.; Children's Convales. Home and Physician, Baltimore.

Guy LeRoy Hunner, S. B., Wisconsin, 1893; Resident House Officer, Asst. Resident and Resident Gynecologist and Instr., 1897-02.—Associate in Gynecology; Physician, Baltimore.

Irving Phillips Lyon, A. B., Yale, 1893: Resident House Officer, 1897-98.—Lect. Clincial Med., and Librarian, Univ. of Buffalo; Asst. Attending Physician, Buffalo; Gen'l. Hosp., and Physician, Buffalo, N. Y.

William George MacCallum, A. B., Toronto, 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-00; Assoc. in Pathol. and Assoc. Prof. of Pathology, 1900-08; Prof. Path. Physiol., Lecturer in Forensic Med., 1908-09, and Resident Pathologist, 1900-09.—Visit'g. Pathol. Presbyterian Hosp. and Prof. Pathol., Columbia, N Y.

Charles Neil McBryde, S. B., South Carolina, 1891: M. S., Va. Polytech. Inst., 1892.—Senior Bacteriol., Biochem. Div. Dept. of Agriculture, Washington, D. C.

James Farnandis Mitchell, A. B., 1891; Resident House Officer, Asst. Resident and Resident Surgeon, and Instr. in Surgery, 1897-02.—Surg. Providence Hosp. and Surgeon, Washington, D. C.

Joseph Longworth Nichols, A. B., Harvard, 1893; Fellow in Pathol., 1897-98; Student, Berlin, 1898-99.—Asst. in Lab., Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B., 1893; Resident House Officer, Fellow, Asst. Instr. and Assoc. in Pathology, 1897-04; Member, Rockefeller Institute for Med. Research, N. Y.; Pathol. Presbyterian Hosp., Co-Editor, Jour. Exp. Med., N. Y. 1904-10.—Professor of Pathol., Washington Univ., St. Louis.

Mary Secord Packard, A. B., Vassar, 1892; Harvard Summer Sch., 1893; Resident House Officer, 1897-1898; Physician, Kingsley, House (Coll. Settlement), Pittsburg, 1898-00; Pathologist, New Eng. Hosp., Boston, 1902-03.—Rehoboth, Mass.

Omar Borton Pancoast, S. B., Swarthmore, 1893; Resident House Officer, 1897-98; Resident Surgeon, Union Prot. Infirmary, 1898-00.—Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Clement Andariese Penrose, A. B., 1893; Resident House Officer, 1897-98.—Member Visit. Staff, Church Home and Infirmary, and Physician, Baltimore.

Richard Pearson Strong, Ph. B., Yale, 1893; Resident House Officer, 1897-98; Asst. Surg., U. S. Army, in charge Army Path. Lab., Manila, 1899-01.—Chief Gov't Biol. Lab'y, U. S. A.; Phys.-in-Chief, Philippine Genl. Hosp., and Prof. Tropical Med., The Philippine Med. Sch., Manila. (15)

1898

William Stevenson Baer, A. B., 1894; Resident House Officer and Asst. Resident Surgeon, 1898-00; Asst. Instr. and Assoc. in Ortho-

pedic Surgery, 1900-10.—Visiting Orthoped. Surg., Cambridge Hosp., Union Prot. Infirmary, Church Home, Robt. Garrett Hosp. for Children and Home for Incurables; Ortho. Surg.; Associate Professor of Orthopedic Surg.

William Jephtha Calvert, A. B., Kentucky, 1893; 1st Lieut. and Asst. Surgeon, U. S. A., Fort McHenry, 1898-02; Lecturer. Tropical Diseases, Washington Univ., St. Louis, 1902-03; Prof. Physicial Diag. and Clin. Pathol., Univ. of Missouri, Columbia, 1903-09; Baylor University, Dallas, Texas, 1910-11.—Prof. Preventive Medicine, U. of Mo., Columbia.

Patrick Joseph Cassidy, A. B., Yale, 1894; Asst. Resident Physician, Backus Hosp., 1898-99.—Visiting Pathol. and Surg. Mem. Hosp. and Physician, Norwich, Conn.

*John Williams Coe, Ph. B., Yale, 1893; Senior Asst. House Staff, Presbyterian Hosp., N. Y., 1898-1899, and Resident Physician, 1899-00.—Asst. Clin. Pathol., Cornell Univ., and Physician, N. Y. (Died at New York March 6, 1911).

Percy Millard Dawson, A. B., 1894; Fellow, Asst. Instr. Assoc. and Assoc. Prof. of Physiology, 1898-09; Spec. Student, Harvard Divinity Sch., Cambridge, Mass., 1909-10.—Minister, 1st Unitarian Church, Ann Arbor, Mich.

Arthur Wells Elting, A. B., Yale, 1894; Resident House Officer, 1898-99; Asst. in Pathol., Albany Med. Sch., 1899-00.—Surgeon, Child's Hosp. Attend. Surg., Albany Hosp.; St. Peter's Hosp. Consult. Surg. Hudson Hosp. and Prof. of Surgery, Albany Med. School; Surgeon, Albany.

William Webber Ford, A. B., Adelbert, 1893; D. P. H., McGill, 1900; Resident House Officer, 1898-99; Fellow, Pathol., McGill Univ., 1899-01; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-02, and J. H. U., 1902-03, Instr. and Assoc. in Bacteriol., 1903-06.—Assoc. Prof. of Hygiene and Bacteriology and Lecturer in Legal Medicine.

Thomas Wood Hastings, A. B., 1894; Resident House Officer, 1898-99; Surgeon, Hospital Ship "Maine," 1899-00.—Prof. Clinical Pathol., Cornell Univ. Med. Coll.; Asst. Attend. Physician, Bellevue Hosp.; Physician, N. Y.

Alfred Birch Herrick, A. B., Williams, 1894; Res. House Officer, 1898-99; Res. Physician, National Soldiers' Home, 1899-00; Res. Surgeon, Barnes Hosp., Washington, D. C., 1900-04; Chief Surg. Clinic, Ancon Hosp., C. Z.

James Hall Mason Knox, Jr., A. B., Yale, 1892, and Ph. D., 1894, A. M., Lafayette, 1896; Res. House Officer, and Asst. and Instr. in Pediatrics, 1898-09.—Asst. Pediatrician and Assoc. in Pediatrics; Physician in Charge, The Thomas Wilson Sanitarium; Physician, Baltimore.

Millard Langfeld, A. B., 1893.—Prof. Med. Bacteriol, and Embryol., Creighton Med. Coll., Bacteriologist, Omaha City Board of Health; Physician, St. Joseph's and Douglas Co. Hospitals, Member Omaha Milk Com.; Physician, Omaha, Neb.

Gertrude Underhill Light, S. B., Wisconsin, 1894; Physician, Randall's Island Hosp. for Children, N. Y., 1898-99; Demonstrator, Pathol., Wisconsin Coll. of P. & S., 1899-00; Clinical Asst., Bellevue Hosp. Disp., 1901-02.—Sanitary Inspector, Tenement House Dept., New York.

James Daniel Madison, S. B., Wisconsin, 1894; Resident House Officer, 1898-99; Asst. Resident Physician, Danvers Insane Hosp., Mass., 1899-02.—Prof. Medicine, Wis. Coll., of P. & S., Visit'g Physician, Milwaukee Hosp. and County Hospitals, and Physician, Milwaukee.

Harry Taylor Marshall, A. B., 1894; Resident House Officer, 1898-99; Fellow, 1899-00; Asst. Resident Pathologist, and Instr. in Pediatrics, 1900-06; Pathologist, Bureau of Science, and Prof. Pathol. and Bacteriol. Sec. and Registrar, The Philippine Med. Sch., Manila, 1906-08.—Prof. Pathol. and Bacteriol. Univ. of Va., Charlottesville.

Roger Griswold Perkins, A. B., Union, 1893, and Harvard, 1894; Resident Pathologist, Lakeside Hosp., Cleveland, 1898-01; Lect. in Bacteriol., West. Reserve Med. Sch., Cleveland, 1901-04; Asst. and Assoc. Prof. of Pathol. and Bacteriol., 1904-10; Prof. of Hygiene and Preventive Med., Cleveland.

Katherine Porter, A. B., Bryn Mawr, 1894; House Physician, and Asst. Surg., N. Y. Infirmary for Women and Children, 1898-04; Externe, Orange Memorial Hosp. Disp., 1900-07; Physician Children's Aid and Protective Society of the Oranges; Med. Insp. Orange Public Schs., and Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B., Yale, 1894; A. M., Harvard, 1901; Asst. Pathologist, City Hosp., Boston, 1898-00; Instr. Pathol., Harvard; Asst. Visiting Pathologist, City Hosp., and Asst. Pathologist, Children's Hosp., Boston, 1900-02.—Instr. Theory and Practice

of Physic, Harvard; Consult. Phys., Brockton Hosp. and Rufus S. Frost Hosp. of Chelsea; Asst. Neurol., Mass. Gen'l Hosp., Boston.

Georgiana Sands, A. B., Vassar, 1893; Grad. Student, Barnard, 1893-94; Resident House Officer, 1898-99.—Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B., Williams, 1894; Resident House Officer and Asst. Resident and Resident, Gynecologist and Instr., 1898-03.—Jr. Attend. Gynecol., Harper Hosp., Consult. Obstet. Woman's Hosp., Assoc. Gynecol., Providence Hosp., and Physician, Detroit.

Walter Ralph Steiner, A. B., Yale, 1892, and A. M., 1895; Grad. Student, 1892-94; Resident House Officer, 1898-99; Asst. Visitg. Physician, Hartford Hosp., Conn., 1905-07; Pathologist and Bacteriologist and Visit. Physician, Hartford Hosp., Consult. Physician, Middlesex Hosp. and Hartford Orphan Asylum; Sec. Conn. State Med. Soc., 1905-12; Sec'y. Cong. Amer. Physicians and Surgeons; Physician, Hartford.

Emma Elizabeth Walker, A. B., Smith, 1887.—Asst. Surg., Hosp. for Ruptured and Crippled; Member N. Y. Co. and State Med. Soc. N. Y. Acad. of Med. Woman's Med. Assn., Women's Med. Soc. of N. Y. State, Amer. Soc. Sanitary and Moral Prophylaxis, and Physician, New York.

*Andrew Henderson Whitridge, S. B., Harvard, 1894; Resident House Officer, 1898-99.—Physician, Baltimore. (Died, March 19, 1912.) (22)

1899

Edward Erle Brownell, Ph. B., Yale, 1895; Resident House Officer, 1899-00.—San Francisco.

Humphrey Warren Buckler, A. B., 1895; Resident House Officer and Asst. in Obstetrics, 1899-06; Member State Tuberculosis Comm.; Attend. Physician, Md. Hosp. for Consumptives; Supt., Dr. H. A. Kelly's Private Hosp., and Physician, Baltimore.

Rufus Ivory Cole, S. B., Michigan, 1896; Resident House Officer, Asst. Resident, Resident Physician, and Med. Adviser to Med. Students, 1899-07; Assist. Physician; Assoc. in Med. in Chg. Biol. Div. of Med. Clinic, 1907-09. — Med. Director, Rockefeller Hospital, N. Y.

John Staige Davis, Ph. B., Yale, 1895; Resident House Officer, 1899-00; Resident Physician, Union Protestant Infirmary, 1900-03. — Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Charles Phillips Emerson, A. B., Amherst, 1894; Resident House Officer; Instructor in Med. and Asst. Resident Physician in charge of Clinicial Lab., 1899-05; Res. Physician; Medical Adviser to Students and Associate in Medicine, 1905-1908; Supt. Clifton Spgs. Sanitarium, N. Y., 1908-11. — Dean and Prof. of Medicine, Indiana University Sch. of Med., Indianapolis.

Blanch Nettleton Epler, S. B., California, 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899-00. — City Bacteriol. and Exam. for State Sanatorium for Tuberculosis, and Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B., California, 1895; Resident House Officer, Fellow in Pathol.; Asst. Instr., Assoc. and Assoc. Prof. of Physiology, 1899-06; Prof. of Physiology, Univ. of Wisconsin, Madison, 1906-10.—Prof. of Physiology, Washington Univ., St. Louis.

Philip Saffery Evans, Jr., A. B., Yale, 1895; Intercollegiate Sec., Y. M. C. A., Balt., 1899-00; Clinical Asst. in Surgery, 1900-01; Medical Missionary, Yang Chow, China, 1901-11. — Prof. Pathol., East China Union Medical College, Nanking, China.

Richard Holden Follis, Ph. B., Yale, 1895; Externe; Asst. Resident Surgeon, Resident Surgeon and Instr. in Surgery, 1899-05.—Assoc. in Surgery; Surgeon, Baltimore.

Frank Taylor Fulton, S. B., Knox, 1894; A. B., 1895; Pathol. Interne, City Hosp., Boston, 1899-00; Pathologist and Director Pathol. Lab., R. I. Hosp., 1900-09. — Visit. Phys. and Consult. Pathol. City Hosp., Pawtucket Mem. and Woonsocket Hosp., and Physician, Providence.

*James Daton Gallagher, A. B., 1895; Physician, Private Wards, Lakeside Hosp., Cleveland, O., 1899-00.

Henry Harris, A. B., Stanford, 1895; Resident House Officer, 1899-00. Instr. Princ. and Prac. of Med. and Visiting Physician, Hebrew Orphan Asylum, Cal. Women's Hosp. and Mt. Zion Hosp. and Physician, San Francisco.

Henry Joseph Hoye, A. B., Brown, 1895; Surg. Interne, and House Surg., City Hosp., Boston, 1899-01.—Asst. Visit. Surg., R. I. Hosp.; Physician, Providence.

Louis Williams Ladd, A. B., Yale, 1895; Acting Asst. Resident Phy-

sician, 1899-00; Resident Physician, Lakeside Hosp., 1900-01. —Lecturer Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp., Cleveland.

Charles Sumner Little, A. B., Wabash, 1894, and A. M., 1903; Assoc. in Pathol., Central Coll. of P. and S., Indianapolis, 1903-05; Lect. Pathol., Clin. Med., Purdue Univ.; Pathologist, City Hosp. and Physician to Day Nursery, Indianapolis, Ind., 1905-07. —Petersburg, Ind.

John Arthur Luetscher, S. B., Wisconsin, 1895; Resident House Officer, 1899-00; House Physician, City Hosp., Boston, 1900-01; Asst. in Medicine, 1905-07.—Asst. Physician and Instr. in Medicine, and Physician, Baltimore.

Frank Allemong Lupton, S. B., Ala. Polytech., 1891, and S. M., 1892; Grad. Student, 1893-94. — Member, Committee of Health, Jefferson Co.; Prof. of Obstetrics, Birmingham Med. Coll., and Obstetrician, Hillman Hospital, Birmingham, Ala.

Frank Worthington Lynch, A. B., Adelbert, 1895; Asst. Resident and Resident Obstetrician; Chief of Obstet. Clinic. and Assoc. in Obstetrics, 1899-03.—Asst. Prof. of Obstetrics and Gynecology, Rush Med. Coll.; Attend. Obstet. and Gynecol., Presbyterian Hosp.; Visit. Obstet., St. Joseph's Hosp., Editor, Chicago Gyne., Soc., Chicago.

Chester Lea Magee, A. B., Stanford, 1895, and A. M., 1896; Asst. Resident Physician, City Detention Hosp., Balt., 1899-00; Instr. San Diego Training Sch. for Nurses, 1900-02; Asst. Surg. Santa Fe R. R., 1903-12; Assoc. in Physiol., Coll. P. and S., 1907-08.—Physician, Los Angeles.

Hugh Miller Moore, B. Sc. and M. Sc., Miami, 1895.—Member, Amer. Acad. Med. and Physician, Oxford, O.

*Charles Williams Ottley, A. B., Princeton, 1893, and A. M., 1903; Traveling Secy. Student Volunteer Movement for Foreign Missions, N. Y., 1899-00; House Physician, Blackwell's Island, Dept. of Charities, N. Y., 1900-01; Prof. Biology, and College Physician, Robert Coll., Constantinople, 1901-04; Physician and Surg., Anatolia Coll., Hosp., Marsovan, Turkey, 1904-05; Student, Vienna and Berlin, 1905-06. —Physician, Atlanta, Ga., 1906-07.

Paul Octavius Owsley, Ph. B., Yale, 1895; Asst. Resident Surgeon, St. Joseph's Hosp., Balt., 1899-01. —Instr. Clin. Gynecology, N. W. Med. School; Attending Surg. Cook Co. Hosp., and Physician, Evanston, Ill.

Jacob Hall Pleasants, A. B., 1895; Resident House Officer, 1899-00; Asst. in Med., 1901-06.—Assoc. Prof. Clin. Medicine, Coll. P. and S., Balt.; Pres't. Dpt. Charities and Corrections; Asst. Physician, and Instructor in Medicine; Physician, Baltimore.

Sylvan Rosenheim, A. B., 1895; Asst. and Clinical Asst. in Laryngology, 1903-07. — Laryngologist, Hebrew, Eudowood, and Jewish Hospitals for Consumptives; Aural Surg., Balt. Eye, Ear and Throat Charity Hosp.; Physician, Baltimore.

John Albertson Sampson, A. B., Williams, 1895; Resident House Officer, 1899-00; Asst. Resident and Resident Gynecologist, and Asst. in Gynecol., 1900-04. — Gynecol. Albany Hosp. and So. End. Disp., and Prof. Gynecol., Albany Med. Sch., and Physician, Albany, N. Y

Halbert Severin Steensland, S. B., Wisconsin, 1895; Pathol. House Officer, City Hosp., Boston, 1899-00; Lect. Pathol. and Bact. and Director Path. Lab., Syracuse Univ., and Assoc. Prof. and Director, 1900-08; Prof. Pathol. and Bact., and Director, Pathol. Lab., 1908-12. — Pathol., St. Joseph's, the Syracuse Hosp. for Women and Children, Hosp. Good Shepherd, and Syracuse Free Disp.; Prof. Pathol. and Dir. Path. Laby., Syracuse Univ., Syracuse, N. Y.

William Ridgely Stone, A. B., Princeton, 1895; Interne, Blackwell's Island, Dept. of Charities, N. Y. City, 1899-00.—Asst. Visiting Obstetrician, Maternity Hosp., Blackwell's Island, and Physician, New York.

Edgar Randolph Strobel, A. B., 1895; Externe, 1899-00; Clinical Prof. Dermatology, Balt. Med. Coll.; Instr. and Asst. in Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B., Yale, 1895; A. M., Harvard, 1902; Externe; Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp., 1899-00; Asst. in Path., Harvard Med. Sch., 1900-02; Asst. Ophthal, Surg., Carney Hosp., 1902-06.—Pathologist and Asst. Ophthal. Surg., Mass. Charitable Eye and Ear Infirmary; Instr. Ophthalmic Pathol., Harvard, and Physician, Boston.

William Whitridge Williams, A. B., 1895; Resident Physician, St. Joseph's Hosp., Balt., 1899-00; Asst. Univ. of Prague, 1900-01; Asst. Pathol., Harvard, 1901-03; Graduate Asst., Out-Patient Dept., Mass. Gen'l Hosp., 1903-05; Asst. in Pharmacol. West.

Reserve Univ., Cleveland, 1905-08; Director, Webb Tuberculosis Research Lab., Colorado Springs, 1908-11.—Consult., Cragmor Sanatorium, Colorado Springs.

Sarah Delia Wyckoff, S. B., Wellesley, 1894; Resident House Officer, 1899-00.—Attend. Physician, State Disp. for Tuberculosis; Lect. Domestic Science and Hygiene, High School; Med. Exam., Wyoming Seminary, and Physician, Wilkes-Barre, Pa.

John Lawrence Yates, Ph. B., Yale, 1894; S. B., Wisconsin, 1895; Resident House Officer, Asst. Resident Surgeon, and Asst. in Pathol., 1899-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Pathologist, and Chief Surg. Asst., Augustana Hosp., Chicago, 1904-06.—Surgeon, Milwaukee.

Frank Curtiss Davis, A. B., Amherst, 1895.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.)

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Joseph Akerman, A. B., Georgia, 1894, and Grad. Student, 1895-96; Resident Physician and Surgeon, Presbyterian Hosp., Philadelphia, 1900-02; Supt., Walker Memorial Hosp., Wilmington, N. C., 1902-06.—Surgeon, Wilmington, N. C.

Herbert Williams Allen, S. B., California, 1896; Resident House Officer, 1900-01; Resident Physician, Lakeside Hosp., Cleveland, 1901-02.—Instr. Clin. Pathol., Med. Dept. Univ. Calif., Asst. Visit. Physician, St. Luke's Hosp., and Physician, San Francisco.

Mabel Fletcher Austin (Mrs. E. E. Southard), S. B., Minnesota, 1893; Pathologist and Interne, City and County Hosp., St. Paul, 1900-02; Pathologist, New England Hosp., Boston, 1903-06; Assoc. Prof. Hygiene, and Med. Director Wellesley Coll., 1906-08.—Cambridge, Mass.

Alma Emerson Beale, A. B., Wellesley, 1891; Marine Biological Lab., 1893; Externe, 1900-01; Resident Physician, Evening Disp. for Working Women and Girls, Balt., 1900-01; Interne, N. Y. Infirmary for Women and Children, 1901-02; Health Officer and Physician, Schaghticoke, N. Y., 1902-12.—Physician, Henry Watson Children's Aid Soc., Baltimore.

*Milton Bettmann, A. B., Harvard, 1897; Resident House Officer, 1900-01; Student, Univ. of Berlin, 1901-02.

Evelyn Briggs, A. B., Stanford, 1896.—Sacramento, Cal.

Lawrason Brown, A. B., 1895; Resident Physician, Adirondack Cottage Sanitarium, 1900-12; Attend. Physician, 1912.—Physician, Saranac Lake, N. Y.

Herman Brülle, A. B., and S. B., Hampden-Sidney, 1895; Grad. Student, 1895-96; Externe, 1900-01.—Medical Agent, City Charities and Physician, Baltimore.

Curtis Field Burnam, A. B., Central Univ. Ky., 1895; Grad. Student, 1895-96; Resident House Officer, Asst. Resident and Resident Gynecologist, 1900-04.—Assoc. in Gynecology; Surg.-in-Chief, Cambridge Hosp., and Physician, Baltimore.

Arthur Smith Chittenden, A. B., Yale, 1896, and A. M., 1899; House Surgeon, N. Y. Hosp., 1900-02.—Asst in Path., Columbia, 1903-04; Visiting Pathologist, Lincoln Hosp., 1904-05.—Surg. Binghamton Hosp. and Physician, Binghamton, N. Y.

Henry Asbury Christian, A. B. and A. M., Randolph-Macon, 1895, and Grad. Student, 1895-96; A. M., Harvard, 1903; Asst. Pathol., City Hosp., Boston, 1900-02; Instructor, Pathol., Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp., Boston, 1902-05; Asst. Visiting Physician, L. I. Hosp. 1905.—Hersey Prof., Theory and Practice of Physic, Harvard; Dean, Faculty of Med. and Medical School, Harvard, 1908-12.—Physician-in-Chief, Peter Bent Brigham Hosp., and Physician, Boston.

William Remshart Dancy, S. B., Georgia, 1896; House Physician (1900-01) and Surgeon, Seney M. E. Hosp., Brooklyn, N. Y., 1901-02; Grad. Student, Universities Berlin and Vienna, 1902-03; Res. Supt. Savannah Hosp., 1903-04.—Inst'r. Savannah Hosp. Tr. Sch. for Nurses and Telfair Hosp. Tr. Sch.; Member Attend. Staff, Savannah Hosp., and Physician, Savannah, Ga.

Augustus Hartje Eggers, Ph. B., Yale, 1896.—Physician, Pittsburg, Pa.

Henry Courtney Evans, A. B., Adelbert, 1896; Interne, Western Penna. Hosp., Pittsburg, 1901-02.—Physician, Youngstown, O.

Rose Fairbank (Mrs. Rose Fairbank Beals), A. B., Smith, 1895.—Asst. Resident Physician, Hosp. Union Missionary Society, Jhansi, India, 1901-05.—Physician Amer. Morathi Mission Hosp., Wai, India.

Clarence B. Farrar, A. B., Harvard, 1896; Grad. Student, Heidelberg, 1902-04; Research Asst., Carnegie Inst. of Wash., 1904-06; Instr. in Psychiatry, 1906-08; Asst. Physician and Director, Laboratory, Sheppard and Pratt

Hosp., Towson; Visit'g Physician, City Detention Hosp., Bay View; Asst. Neurol, and Assoc. in Psychiatry.

Arthur Lawrence Fisher, S. B., California, 1896; Resident House Officer, 1900-01; Fellow, Rockefeller Inst. for Med. Research, 1901-02; Asst. Visiting Surg., Mt. Zion Hosp., 1902-08. — Physician, San Francisco.

William Alexander Fisher, Jr., A. B., Princeton, 1896; Resident House Officer, 1900-01; Res. Physician, Union Protestant Infirmary, Balt., 1901-02.—Visit. Surg. U. P. I.; Instr. in Surg., and Surgeon, Baltimore.

Howard Fletcher, A. B., Randolph Macon, 1895, and Grad. Student, 1895-96.—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B., Chicago, 1895; A. M., Princeton, 1900, and Yale, 1907; Assoc. Univ. of Chicago, 1900-01; Prof. Anatomy, Univ. of California, 1901-07.—Prof. Surg., Yale Univ., New Haven, Conn.

William Patrick Healy, Ph. B., Yale, 1896; Interne, N. Y. City Hosp., 1900-02; Gynecol. Interne, Roosevelt Hosp., N. Y., 1902-03; Asst. Gynecol. Vanderbilt Clinic and Clin. Instr. Gynecology, Coll. P. & S. (N. Y.), 1903-08.—Attend. Surg. Fordham Hosp.; Asst. Surg., J. Hood Wright Hosp.; Jr. Gynecol., Roosevelt Hosp., Attend. Gynecol. Misericordia Hosp.; Clin. Prof. Surg. Fordham Univ., N. Y

*William Faithful Hendrickson, A. B., 1896; Asst. Demonstrator Pathol., Univ. of Pennsylvania, 1900-02.

Albion Walter Hewlett, S. B., California, 1895; House Physician, N. Y. Hosp., 1900-02; Asst. Prof. Princ. and Pract. of Med. Cooper Med. Coll., San Francisco, 1906-08. — Prof. Int. Med. and Director of Clin. Lab. Univ. of Mich., Ann Arbor.

William Crissey Kellogg, A. B., Yale, 1896; Resident Physician, Soldiers' Home, Washington, 1900-01. — Prof. Physiol. Univ. of Georgia; and Physician, Augusta, Georgia.

Preston Keys, A. B., Bowdoin, 1896, and A. M., 1900.—Asst. Prof. Experimental Pathol., Univ. of Chicago.

*Leona Lebus, S. B., Wellesley, 1889. —Los Angeles, Cal. (Died November 20, 1908).

Warren Harmon Lewis, S. B., Michigan, 1894, and Asst., 1894-96; Asst. Instr., and Assoc. in Anat., 1900-04. — Associate Prof. of Anatomy.

Harry Wilson Little, S. B., Wabash, 1896, A. M., 1905; House Physician, Maternity, City and Epileptic Hosps., Blackwell's Island, N. Y., 1901-03.—Pres. & G. M. the S. W. Little Coal Co., Evansville, Indiana.

Ellen Louise Lowell (Mrs. Ellen Lowell Stevens), A. B.; Stanford, 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-02; Asst. Genl. Med. Clinic, Presbyterian Hosp. Disp., 1902-03; Asst. Babies' Hosp. Disp., Chief of Children's Clinic, Harlem Hosp. Out-Patient Dept., N. Y., 1903-04.—Physician, Jacksonville, Fla.

*John Bruce MacCallum, A. B., Toronto, 1896; Asst. in Anatomy, 1900-02.—Asst. Prof. Physiology, Univ. of California, Berkeley, 1902-06.

Mary Wilbur Marvell, S. B., Wellesley, 1894; Interne, New England Hosp., Roxbury, 1900-01. — Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B., Barnard, 1896; Grad. Student, 1900-01; Research Scholar, Rockefeller Inst. for Medical Research; Ophthalmologist, Harlem Hosp. Disp., 1901-03.—Clin. Asst. and Asst. Surg. N. Y. Eye and Ear Infirmary, 1901-11.—Ophthalmologist, N. Y. Infirmary for Women and Children, and Physician, N. Y.

Clelia Duel Mosher, A. B., Stanford, 1893, and A. M., 1894; Asst., and Instr., Hygiene, Stanford Univ., 1893-96; Gynecological Asst., Dr. Kelly's Sanatorium, Baltimore, and Externe, 1900-01; Spec. Asst. Palo Alto Board of Health for Study of Typhoid fever epidemic of April, 1903.—Asst. Prof. and Dir. Women's Gymn. and Asst. Prof. Personal Hygiene, Stanford Univ., and Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B., Smith, 1896; Interne, New England Hosp., Roxbury, 1900-01. —Asst. Res. Physician, N. E. Hosp. for Women and Children, and Physician, Boston.

*Edward Spiller Oliver, A. B., 1895; Physician, Saranac Lake, N. Y., 1900-02.

Richard Foster Rand, Ph. B., Yale, 1895, and Grad. Student, 1895-96; Resident House Officer, 1900-01; Resident Surgeon, Parker Hosp., Univ. of Missouri, Columbia, 1901-02.—Asst. Surg'l and Gynecol. Clinics, Yale Univ.; Asst. Obstet. New Haven Hosp., and Physician, New Haven, Conn.

Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith, 1895; Grad. Student, Mass. Inst. of Tech., 1895-96; Resident House Officer, and Fellow in Pathol., 1900-02; Resident Physician, Babies' Hosp., N. Y., 1902-06.—Madison, Wis.

Glanville Yeisley Rusk, A. B., 1896; Resident House Officer, 1900-01; Asst. Physician, Sheppard and Pratt Hosp., Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-03; Path. Institute, Ward's Island, N. Y., 1903-10. —Asst. Prof. Pathol., Univ. of Calif., Berkeley.

Florence Rena Sabin, S. B., Smith, 1893, Sc. D., 1910, and Asst. in Zoology, 1895-96; Resident House Officer, 1900-01; Holder Woman's Fellowship in Anatomy, 1901-02; Asst. Instr., and Assoc. in Anatomy, 1902-05.—Co-Editor. Anatom. Record and Assoc. Prof. of Anatomy.

William Francis Mattingly Sowers, A. B., Princeton, 1896; Resident House Officer, Asst. Resident, Resident Surgeon; Assistant and Instr., 1900-07. — Assoc. in Surg. George Washington Univ., Surgeon, Washington, D. C.

Ellen Appleton Stone, A. B., Radcliffe, 1895; A. M., Brown, 1896; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1901-02; Res. Physician, Children's Hosp., Buffalo, N. Y., 1902-03. —Med. Inspector Public Schools, Physician Med. Out-Pat. Dept. for Children, R. I. Hosp., and Physician, Providence.

Mortimer Warren, A. B., Bowdoin, 1896; Externe, City Hosp., Boston, 1900-01. — Director, Pathol. Lab., Roosevelt Hosp., and Physician, New York.

Paul Gerhardt Woolley, S. B., Chicago, 1896; Resident House Officer, 1900-01; Fellow in Pathol., McGill Univ., Montreal, 1901-02; Pathol. Biol. Lab. and Director, Gov't Serum Lab., U. S. A., Manila, 1902-06; Chief, Siamese Gov't Serum Lab., Phrapatoom, Siam, 1906-07; Chief Inspr. Health and Med. Adviser, Dept. Interior, Bangkok, 1907-08; Assoc. Prof. Path. Anat. Univ. of Nebraska, Omaha, 1908-09. — Director, Laboratories Cincinnati Hosp. and Dean of the Med. Sch. and Prof. Pathol. Univ. of Cincinnati, O. (44)

1901

*Alexander Montague Atherton, A. B., Wesleyan (Conn.), 1897; Resident Physician, Charity Hosp., Blackwell's Island, N. Y., 1901-02. (Died at Liberty, N. Y., Aug. 28, 1903).

Frederick Henry Baetjer, A. B., 1897; Resident House Officer, 1901-02. — Assoc. in Surgery in Charge of Actinographic Dept., and Physician, Balt.

William Dwight Baldwin, A. B., Yale, 1897; Clinical Asst. in Medicine, 1901-02; House Physician, St. Luke's Hosp., N. Y., 1903-04. —Physician, Honolulu, Hawaii.

John McWilliam Berry, S. B., Cornell, 1897; Resident House Officer, 1901-02. — Orthoped. Surg. and Radiographer, Albany Hosp., Lecturer on Radiography Albany Med. Coll., and Physician, Albany, N. Y.

Walter Herbert Blakeslee, A. B., Amherst, 1897, and A. M., 1903; Asst. Resident Physician, N. Y. Lying-in Hospital (6 months); Asst. Med. Examiner, Penna. R. R. Relief Dept., Philadelphia, 1902-08; Resident, Episcopal Hosp., Philadelphia, 1908-09. — Physician, Philadelphia.

Horace Dechamps Bloombergh, A. B., Lafayette, 1897; First Lieut. Med. Corps, U. S. A., 1901-06 Capt. and Major Med. Corps, U. S. A., 1907-11. — Member U. S. Army Board for Study of Trop. Diseases, Manila, P. I.

Thomas Richmond Boggs, S. B., Univ. of Georgia, 1896, and Grad. Student, 1896-97; Resident House Officer and Acting Asst. Resident Physician, 1901-03; Asst. in Med. and Asst. Resident Physician in charge Med. Bact. Lab., Asst. Resident Physician in Charge Clin. Laby., 1904-08; Assoc. in Medicine, Res. Physician and Med. Adviser to Students, 1908-11.— Assoc. Prof. Med. and Phys. in Chief, City Hosp., Bay View.

John Robert Bosley, A. B., Western Md., 1896, and A. M. 1903; Grad. Student, 1898-97. — Capt. Med. Corps, U. S. A., Fort H. G. Wright, N. Y.

Charles Henry Bunting, S. B., Wisconsin, 1896, and Fellow, 1896-97; Resident House Officer, 1901-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Instr. in Pathol., 1903-04; Pathologist, Bay View Hosp.; Asst. Resident Pathologist and Associate in Pathology, 1904-06; Prof. Pathol. and Pathologist Univ. Hosp., Univ. of Va., Charlottesville, 1906-08. — Prof. Pathol., Univ. Wisconsin, Madison.

Joel Ives Butler, Ph. B., Yale, 1897; Acting Resident House Officer, 1901-02; Externe Surg. Path. and Asst. in Anatomy, 1902-03; Clinical Asst. G.-U. Surg., 1903-04; House Surg., Mass. Genl. Hosp., Boston, 1904-05; Instr. in Surg., Yale Med. Sch.; Asst. Surg. New Haven Hosp., 1905-11.—Rodgers Hosp., Tucson, Ariz.

Harry Wardell Carey, A. B., Yale, 1897; Asst. Pathol., Bender Hygienic Lab., Albany, 1901-03. — Instructor, Physiol, Chem., 1908, and Physical Diag. Albany Med. School, 1909-11. — Attend. Physician, Samaritan Hosp., Director, Cluett Path. Lab., Physi-

cian in Chg. Lakeview Sanatorium and City Bacteriologist, Troy, N. Y.

Eleanor Sarah Chace (Mrs. Edward Herbert), S. B., Wellesley, 1894, Interne, Worcester Memorial Hosp., 1902. — Physician, Fall River, Mass.

Robert Thornton Comer, A. B., Alabama, 1896; Grad. Student, 1896 - 97. — Physician, Birmingham, Ala.

Guy Leartus Connor, A. B., Williams, 1897.—Neurol. Children's Free Hosp. and St. Mary's Hosp., and Neurologist, Detroit, Mich.

Ray Connor, A. B., Williams, 1897; House Surgeon, Manhattan Eye and Ear Hosp., N. Y., 1902-03. —Ophthalmologist and Otologist, Children's Free Hosp.; Clin. Prof. Ophthalmol. and Otology, Detroit Coll. of Med., and Physician, Detroit, Mich.

George Silas Drake, Jr., A. B., Yale, 1897, Resident Physician, Union Protestant Infirmary, Balt., 1902-05; Assoc. Surg., St. Louis. Free Skin and Cancer Hosp., 1905-09.—Surg.-in-chief, Social Service Hosp., and Surgeon, St. Louis.

Adelaide Dutcher, S. B., Wisconsin, 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B., Minnesota, 1895; Resident House Officer, and Clinical Asst. Genito-Urinary Diseases, 1901-03.—Assoc. Skin and Venereal Diseases, Eastern Disp. and Casualty Hosp., Prof. G.-U. Diseases, Howard Univ., Physician, Washington, D. C.

Frederick Parker Gay, A. B., Harvard, 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Pathol., Univ. of Penna., 1901-03; Student, Institute Pasteur, Brussels, 1903-06; Bacteriol., Danvers Insane Hosp., 1906-07; Asst. and Instr. in Pathol., Harvard Med. School, 1907-10.—Prof. of Pathol. Univ. of California.

Neil Duncan Graham, A. B., 1897; Assoc. Prof. Hygiene and Prevent. Med., Howard Univ., and Physician, Washington, D. C.

Gardner Wells Hall, A. B., Harvard, 1898; Clinical Asst. in Medicine, 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B., Rock Hill, 1896; Grad. Student, 1896-97; House Physician, New York Hosp., 1902-03.—Attend. Physician, Maryland Hosp. for Consumptives; Physician in Charge, Phipps' Disp. Assoc. in Med., and Physician, Balt.

Rolland Frederick Hastreiter, S. B., Wisconsin, 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst. in Anat. Wis. Coll. of P. & S., 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B., Iowa Coll., 1894, and Harvard, 1896, and A. M., 1897; Resident House Officer, 1901-02; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-03; Resident Pathol., Boston Free Hosp. for Women, 1903-04; Instr. in Anat. Cornell, 1905-09; Med. Exam. Cornell Univ. Gym., Ithaca, 1906-09. —Prof. Anatomy, Univ. Louisville, Louisville.

James Morley Hitzrot, A. B., Princeton, 1897; Resident House Officer, 1902; House Surgeon, New York Hosp., 1902-03. — Instr. in Surg. Cornell Univ.; Assoc. Attend. Surg., N. Y. and Hudson St. Hospitals; Asst. Attend. Surg. Bellevue Hosp., and Physician, New York

Gerry Rounds Holden, A. B., Yale, 1897; House Surg., Roosevelt Hosp., N. Y., 1902-03; Resident Gynecologist, and Instr. in Gynecol., 1903-05. — Gynecologist, St. Luke's Hosp. and Fla. Hosp. for Insane at Chattahoochee and Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B., Yale, 1897; John W. Garrett International Fellow in Pathol. and Bacteriol., Univ. Coll., Liverpool, 1901-02; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-03, Act. Asst. Surg., U. S. Public Health and Marine Hosp. Service, and Research Worker, Government Laboratory, Parel, Bombay, India, 1903-05. — Physician in Chief, Hosp. of Yale Coll., Changsha Hunan Prov., China.

William Bernard Johnston, A. B., Harvard, 1897; Asst. Resident Pathologist, 1901-02.—Europe.

Harry M. Kaufman, A. B., 1897; Resident Physician, Jewish Hosp., Philadelphia, 1901-02. — Consult. Physician, German Orphan Asylum; Attend. Physician Ruppert Home and Physician, Washington, D. C.

Theodore Lamson, Ph. B., Yale, 1897; Asst. Resident Physician, Barnes Hosp., Washington, 1901-02.—First Lieut. and Asst. Surg., U. S. A., Manila, P. I.

Dwight Milton Lewis, A. B., Yale, 1897; Medical House Officer, City Hosp., Boston, 1901-03. — Clin. Instr. Med., Yale Med. Sch.; Pathol., Hosp. of St. Raphael; Bacteriol, Board of Health, and Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B., 1897; Resident Pathologist, Penn. Hosp., Philadelphia, 1901-03; Director, Ayer Clinical Lab., Penna. Hosp., 1904-10; Asst. Prof. Applied Med. Univ. of Penna., Philadelphia, 1909-11. — Assoc. Prof.

Med., Columbia Univ., and Assoc. Attend. Phys. Presbyterian Hosp., N. Y.

William Harvey Maddren, S. B., Brooklyn Polytech. Inst., 1896; Grad. Student, 1896-97.—Visiting Surg., L. I., State and Samaritan Hospitals, and King's Co. and Bradford St. Hosp., and Physician, Brooklyn.

Elizabeth Sutton Moore (Mrs. G. L. McKinney), S. B., Wilson Coll., Pa., 1895; Grad. Student, Cornell, 1896-97; Interne, New England Hosp., Boston, 1901-02; Pathologist, Passavant Hosp., 1903-08. — Physician, Fort Caswell, N. C.

Henry Pickering Parker, A. B., 1896; Demonstrator of Pathol. and Bacteriol., Western Reserve Univ., 1901-02; Resident Pathologist, Lakeside Hosp., Cleveland, 1902-03; Interne, Union Protestant Infirmary, Balt., 1903-04; Clinical Asst. in Med.; Resident Physician, Robt. Garrett Hosp. for Children, 1904-05; Asst. to the Prof. of Clin. Med., Georgetown Med. Sch.; Asst. in Diseases of Throat and Chest, Emergency Hosp., 1905-08.—Prof. Medicine, Howard Univ., and Visit. Physician, Freedman's Hosp., and Physician, Washington, D. C.

Maurice J. Rubel, S. B., Chicago, 1897; Resident House Officer, 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B., Yale, 1897; House Physician, St. Luke's Hosp., N. Y., 1901-02; Resident Physician, N. Y. Lying-in Hosp., 1903-04. — Instr. Clin. Micpy., Washington Univ.; Visit. Phys. St. Louis Skin and Cancer Hosp. and City Hosp., and Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B., Cornell, 1897.—Physician, Minneapolis, Minn.

Josiah Morris Slemons, A. B., 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst., Asst. Resident, and Resident Obstetrician, 1902-04, Instr. and Assoc. in Obstetrics, 1904-09. —Assoc. Professor; Physician, Balt.

Herbert Meloy Smith, A. B., Roanoke, 1892, and A. M., 1897; Grad. Student, 1894-95; Capt. Med. Corps, U. S. A., care of War Dept., Washington, 1901-10. — Physician, Philadelphia, Pa.

Charles Nelson Spratt, S. B., Minnesota, 1897; Resident House Officer, 1901-02; House Surgeon, New York Eye and Ear Infirmary, 1902-03; House Surg. Mass. Charitable Eye and Ear Infirmary, Boston, 1903-05. — Attend. Ophthalmologist and Otologist, Asbury M. E. Hosp. and St. Andrew's Hosp.; Clin. Instr. Ophthal. and Otol. Univ. of Minn., and Physician, Minneapolis.

Albert Louis Steinfeld, A. B., 1897; Director, Histol. and Pathol. Laboratories, and Resident Physician, Lucas Co. Hosp., Toledo, O., 1901-02; Prof. Histol. and Pathol., Toledo Med. Coll., 1903-04; Lect. in Ear, Nose and Throat, Toledo Med. Coll., 1906-11. — Physician, Toledo, O.

Carlotta Mary Swett (Mrs. C. H. Bunting), A. B., Wellesley, 1896; Grad. Student, Maine State Coll., 1896; Interne, New England Hosp., Boston, 1901-02.—Madison, Wis.

Henry Ludwig Ulrich, S. B., Rutgers, 1897.—Visit'g Physician, City Hosp.; Instr. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Albert James Underhill, A. B., 1897. —Externe in Surgery; Physician, Baltimore.

Marian Bartholow Walker (Mrs. Marian Walker Williams), A. B., Radcliffe, 1898; Attending Physician Babies' Hosp., N. Y., 1901-02; Physician, Hartford, Conn., 1902-11.—Taos, N. M.

Louis Marshall Warfield, A. B., 1897; Resident House Officer and Asst. Res. Physician, Thomas Wilson Sanitarium, 1901-02; Instr. Clin. Microscopy, Washington Univ. Med. Sch., St. Louis, 1905-09; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Wisconsin, 1909-12. — Physician, Milwaukee.

George William Warren, A. B., 1897. —Physician, New York.

Stephen Hurt Watts, A. M., Randolph-Macon, 1896; Student, Univ. of Virginia, 1896-97; Resident House Officer, Asst. Resident and Resident Surgeon, 1901-07.—Prof. of Surg., Univ. of Virginia, and Surg.-in-chief Va. Hosp., Charlottesville.

Ernest Alden Wells, A. B., Yale, 1897; House Surgeon, N. Y. Hosp., 1901-02.—Asst. Visit. Surg. to Hartford Hosp. and Surgeon, Hartford, Conn.

*Mabel Wells, A. B., Wellesley, 1896; Student, Univ. of Zurich, 1897.—Med. Exam. Roland Park and Arundel Schools, Baltimore, 1905-06.

John Montgomery West, A. B., 1896; Student, Universities of Berlin, Vienna and Halle, 1902-06; Asst. in Laryngol. and Rhinol., 1907-10. —Physician, Baltimore.

Charles Knickerbacker Winne, Jr., A. B., 1897; Externe, 1901-02; Acting Resident House Officer; Asst., Res. Physician, Thos. Wilson Sanitarium, 1902-03; Asst. Bender Hygienic Lab., Albany, N. Y., 1903-05. — Instr. Theory

and Prac. of Med., Albany Med. Coll.; Asst. Attend. Physician, Contagious Dept., Albany Hosp.; Attend. Phys., Child's Hosp., So. End Disp. and Home for the Friendless; Physician, Albany.
(53)

1902

John Auer, S. B., Michigan, 1898; Resident House Officer, 1902-03; Instr. Physiol., Harvard Med. Sch., 1906-07; Asst. and Assoc., Rockefeller Institute, 1907-09.—Assoc. Member, Rockefeller Institute for Medical Research, N. Y.

John Bradford Briggs, Jr., S. B., New York Univ., 1898; Resident House Officer, and Asst. in Medicine, 1902-04.—Assoc. in Pathol., George Washington Univ. and Dispensary, and Physician, Washington, D. C.

Bennett Bernard Browne, Jr., A. B., 1898; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hospital, 1903-06. — Clinical Asst. Ophthalmology and Otology, Consult. Physician, Emergency Hosp., Annapolis, and Physician, Baltimore and Annapolis.

Robert Martin Bruns, A. B., Virginia, 1896; Grad. Student, 1897-98; Asst. Resident Physician, Springfield State Hospital, Sykesville, Md., 1902 - 03. — Physician, Balt.

William Morgan Case Bryan, A. B., Washington Univ., 1897; M. S., Michigan, 1898; Resident Physician, German Hosp., Philadelphia, 1902-04; Instr. Clin. Microscopy and Chem., Med. Dept., St. Louis Univ., 1904-05.—Instr. Ear, Nose and Throat Diseases, *ibid.*; Oto-Laryngol. to Alexian Bros. Hosp. and Physician, St. Louis.

*Camillus Bush, S. B., California, 1898; Resident House Officer, and Asst. Res. Surgeon, 1902-04.—Visiting Surgeon, St. Helena Sanitarium; Instr. in Surg., Univ. of Calif., and Surgeon, San Francisco. (Died May 28, 1910.)

John Woolman Churchman, A. B., Princeton, 1898, A. M., 1901; Resident House Officer, and Clinical Asst. G.-U. Surgery, 1902-05; Voluntär Asst. Surg. Clinic, Breslau, 1905-06; Asst. Res. Surgeon, 1906-09; Resident Surgeon and Instr. in Surgery, 1909-11.—Surgeon, Balt.

Thomas Wood Clarke, A. B., Harvard, 1899; Resident House Officer, 1902-03; Resident Physician, Lakeside Hosp., Cleveland, 1903-05; Vol. Asst. Charite Krankenhaus, Berlin, 1905-06; Act. Clin. Asst., Children's Hosp., and Research Student, St. Bartholomew's Hosp., London, 1906-07; Fellow Rockefeller Inst, N. Y., 1907-08; Clin. Asst., Vanderbilt Clinic, 1907-10; Asst. in Pediatrics, Columbia, and Asst. Editor *Medical Record*, 1909-10.—Attend. Pediatrist, Faxton Hosp., Phys. Chg. Babies' Pure Milk and Health Sta., and Physician, Utica, N. Y.

Henry Wireman Cook, A. B., 1898; Resident House Officer, 1902-03; Late Asst. Resident, Thomas Wilson Sanitarium.—Visiting Physician, Senior Staff Memorial Hosp. and Univ. Hosp.; Asst. in Med. Univ. of Minnesota, and Physician, Minneapolis.

Jacob Jones Coons, S. B., Ohio Wesleyan, 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp., 1902-03; Asst. Res. Surg., Kensington Hospital, Phila., 1903-04; Lect. Clin. Med. Starling-Ohio Med. Coll., Pathologist, Mt. Carmel Hosp., and Physician, Columbus, Ohio.

Gustavus Charles Dohme, A. B., 1898.—Prof. Chemistry, Maryland Med. Coll., and Physician, Baltimore.

David Hough Dolley, A. B., Randolph-Macon, 1897, and A. M., 1898; Resident Pathologist, St. Vincent's Charity Hosp., 1902-03; Asst. Demonstrator Pathol., West. Reserve Univ., and Resident Pathologist, Lakeside Hosp., Cleveland, 1903-04; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1906-10.—Prof. Pathol., Univ. Missouri, Columbia.

Ralph Duffy, A. B., 1898; Pathologist, Western Penna. Hosp., Pittsburg, 1902-08; Res. Surg., Franklin Sq. Hosp., Baltimore, 1908-09; Surg. Scotland Sanitorium, Lawrinburg, N. C., 1909-1911.—Physician, Balt.

John Dunlop, S. B., Princeton, 1898; Asst. Resident Physician, Thos. Wilson Sanitarium, 1902; Externe in Surgery, 1902-03; Asst. Res. Physician, U. P. I., Balt., 1903; Orthopedic House Officer, Carney Hosp., Boston, 1904-05. — Ortho. Surg., Children's Hosp. and Freedman's Hosp., and Physician, Washington, D. C.

William Gage Erving, A. B., Yale, 1898; Orthopedic House Surgeon, Carney Hosp., Boston, 1902-03.—Ortho. Surgeon, Providence, Freedman's and Children's Hospitals, and Prof. Ortho. Surg., Howard Univ., and Physician, Washington, D. C.

Newell Simmons Ferry, Ph. B., Yale, 1898; Asst. Resident Surgeon Barnes Hosp., Washington, D. C., 1902 - 03; Asst. in Medicine, Memphis, Tenn., 1903-08.—Biol. Pathol. City Hosp., and Physician, Memphis, Tenn., 1903-1908.—Biol. and Research. Dept., Parke, Davis & Co., Detroit, Mich.

Nellis Barnes Foster, S. B., Amherst, 1898; Resident Physician, N. Y. Hosp., 1904-05. — Assoc. Biol.-Chem. Coll. of P. and S.; Assoc. Physician, N. Y. Hosp.; Pathol. Chemist, St. Luke's Hosp., and Physician, N. Y.

William Willoughby Francis, A. B., 1898; Asst. in Pathology, 1904-05.—Clin. Asst. in Med., Royal Victoria Hosp., and Asst. Demnstr. Pathol. McGill Univ., Montreal, Can.

Maurice Albert Frankenthal, A. B., Washington, Univ., 1898.—Assoc. Visit. Physician, Jewish Hosp., Pathologist, Bethesda Homes, Asst. in Surg. Washington Univ. Hosp., and Physician, St. Louis.

W. Harry Glenny, Ph. B., Yale, 1894.—Asst. Attend. Physician and Supervisor of Records, Buffalo Genl. Hosp., Attend. Physician, Tuberculosis Dispen., and Physician, Buffalo, N. Y.

Clarence Foster Hardy, B. L., Wisconsin, 1891; Interne, Mercy Hosp., Pittsburg (four months). —Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B., Union, 1898; Resident Surgeon, Society Lying-in Hosp., N. Y., and Resident House Officer, 1902-03. — Asst. Phys., Glens Falls Hosp., Glens Falls, N. Y.

Mabel Stevens Haynes (Mrs. Konrad Heissig), A. B., Bryn Mawr, 1898; Asst. Disp. Mass. Gnl. Hosp., 1902-03; Student of Med. Vienna, 1904-05; Dermatol., Wilkes St. Free Disp. and Trinity Disp., Boston, 1906-07. — Vienna, Austria.

Leonard Keene, Hirshberg, A. B., 1898; Assoc. in Nervous Diseases and Instr. in Bacteriol. and Neuro-Path., Coll. of P. and S., Chief of Nervous Clinic, City Hosp.; Judiac Union Disp., and Physician, Baltimore.

Carl Herman Horst, A. B., Stanford, 1898; Resident House Officer, 1902-03; State Bacteriologist, Montana, 1904-05; Resident Physician, insane Asyl., State of Montana, 1905-06. — City Health Officer and Physician, Butte, Mont.

Solomon Hyman, S. B., California, 1898; House Surgeon, Mount Sinai Hosp., N. Y., 1903-05; Adjunct. Surg., Mt. Zion Hosp.; 1905-10; Instr. in Surgery Cooper Med. Coll. 1905-12; Clin. Instr. in Surg., Stanford Univ., and Surgeon, San Francisco.

William Frederick Jelke, Ph. B., Yale, 1898; Asst. Resident Surgeon, Lakeside Hosp., Cleveland, 1902-03; Dem'str in Anat., Cornell, 1904-05. — Physician, Cincinnati.

Thomas Monroe Jones, A. B., Indiana Univ., 1898; Student, Heidelberg, Germany, 1894-97; House Officer, St. Mark's Hosp., N. Y., 1902-03; Interne, King's Co. Hosp., Brooklyn, 1903-05; Graduate Student, Vienna, Austria, 1909.-10.—Surgeon, Anderson, Indiana.

Alfred Karsted, A. B., Stanford, 1898; House Surgeon, German Hosp., N. Y., 1902-04; Resident Physician, Murray Hosp., Butte, 1907-11.—Physician, Butte.

Arthur Herbert Kimball, S. B., Amherst, 1897, and A. M., 1903; Resident Physician Eye, Ear and Throat Charity Hosp., Baltimore, 1902-03. — Visiting Oculist Government Hosp. for the Insane; Asst. in Ophthalmology, Episcopal Eye and Ear Hosp. and Physician, Washington, D. C.

Louis Charles Lehr, A. B., 1898; Clinical Asst. G.-U. Surg. and Asst. in Gynecol. Dr. Kelly's Sanatorium, 1902-04 —Physician, Washington, D. C.

Edward McCrady L'Engle, A. B., St. John's, 1897; Grad. Student, 1897-98; Asst. Resident Physician, Phila. Polyclinic Hosp., 1902-03. — Pathol. Polyclinic. Hosp.; Dem'st'r Pathol. Medico-Chir. Coll.; Asst. Pathol. Phila. Hosp., and Physician, Philadelphia.

George Victor Litchfield, Jr., A. M., Randolph-Macon, 1897; Physician-Surgeon Lick Creek and Lake Erie R. R. and Dawson Coal and Coke Co., St. Paul, Va., 1902-03; Surgeon, N. & W. R. R.; Tidewater, Bottom Creek, King Coal Co. and Big Four C. & C. Co. and Laurel Creek Lumber Co., Kimball, W. Va., 1908.—Physician, Abingdon, Va.

Emma Lootz (Mrs. W. G. Erving), A. B., Smith, 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B., Rutgers, 1897; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1902-03; First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford, 1903-06. —Asst. Neurol., Phila. Polyclinic and Hosp.; Instr. in Neurol. and Neuropathol., Univ. of Penna., Asst. Neurologist, Phila. Hosp., and Physician, Philadelphia.

Annie Galloway Lyle, A. B., Stanford, 1895: Asst. Voluntär, Vienna, 1902-03; Asst. Children's Clinic Univ. of Calif., 1904-05; Physician, Juvenile Court, 1905-11.—Phys. to Board of Education, and Physician, San Francisco.

George Malcolm MacGregor, S. B., Wisconsin, 1894; Resident House Officer, Church Home and Infirmary, Balto., 1905-07. — Physician, Garfield, Wash.

Samuel Andrew Marshall, A. B., Yale, 1898; Surgeon, House of Relief N. Y. Hosp., 1902-03. — Physician. L. I. City, N. Y.

John Scott McFarland, Ph. B., Yale, 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B., Penna. Coll., 1898; Harvard Summer School, 1898; Resident House Officer, 1902-03; Interne, Barnes Hosp., U. S. Soldiers' Home, Washington, D. C., 1903-04; Resident Physician, Lakeside Hosp., Cleveland, 1904-05; Graduate Student, Europe, 1909-10. — Surg. Staff, York Hosp., and Surgeon, York, Pa.

John Elmer Meisenhelder, S. B., Penna. Coll., 1897; Grad. Student, 1897-98; House Surgeon, Moses Taylor Hosp., Scranton, Pa., 1903-04; Resident Surgeon, Hosp. U. S. Soldiers' Home, Washington, D. C., 1904-10; Grad. Student, Charite Hosp., Berlin, Germany, Univ. of Vienna and Univ. Hosp., London, 1910-11. — Physician, Douglas, Alaska.

*Henry William Oschner, S. B., Wisconsin, 1898. — Resident House Officer, 1902-03. (Died at Baltimore, Nov. 25, 1902).

Edward Hiram Reede, A. B., Cornell, 1898; Asst. Resident Physician St. Luke's Hosp., N. Y., 1903.—Visit'g. Phys. Freedman's Hosp.; Clin. Asst. in Med., Howard Univ., and Physician, Washington, D. C.

Edwin Nicholas Riggins, A. B., Williams, 1897; Interne, House of Relief, N. Y. Hosp., 1903-04.—Adjct. Attend. Physician and Registrar, St. Mary's Hosp.; Physician, Out-Patient Dept. Mem Hosp.; Med. Exam., Union Cent. L. I. Co., and Physician, Orange, N. J

Carey Pegram Rogers, A. B., Wake Forest, 1897; Grad. Student, 1897-98; Resident House Officer, 1902-03.—Med. Referee, Mutual Life Ins. Co. of N. Y. for Florida; Chief of Staff, St. Luke's Hosp.; Consult. Surg. Seaboard Air Line and Chief Private Surg. Hosp., Jacksonville, Fla.

Stephen Rushmore, A. B., Amherst, 1897; Externe, 1902-03; Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp., N. Y., 1904; House Surgeon, St. Mary's Hosp. for Children, N. Y., 1905; Res. Gynecologist, 1905-06; House Officer, Boston Lying-in Hosp., 1907.—Visitg. Gynecol., Carney Hosp., Boston; Instr. Clin. Gynecol., Tufts Coll. Med. Sch.; Consult. Gynecol., Symmes' Arlington Hosp., and Physician, Boston.

George Barr Scholl, A. B., 1898; Externe, 1902-03. — Prof. Pathol., Bacteriol., and Clin. Microscopy, Maryland Med. Coll.; Pathologist Franklin Sq. Hosp., Health Officer, City Board of Health, and Physician, Baltimore.

Melville Silverberg, A. B., California, 1897; Asst. in Physiol.-Chem., Cooper Med. Coll., San Francisco, 1902; House Officer, City Hosp., Boston, 1903-04.—Prof. G.-U. Coll. P. & S., Physician, San Francisco.

John Nathan Simpson, A. B., Nashville, 1893; Student Paris and Berlin, 1905.—Member Amer. Acad. Med., Prof. of Physiology, Dean of School of Medicine, West Virginia Univ., and Physician, Morgantown.

Harry Merriman Steele, Ph. B., Yale, 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll., N. Y., 1902-04; Asst. in Pathol., Yale. Med. Sch., 1902-07. — Instr. in Pediatrics, Yale, and Asst. Attend. Physician, New Haven Hosp., and Physician, New Haven.

Alice Weld Tallant, A. B., Smith, 1897; Grad. Student, Mass. Inst. of Tech., 1897-98; Interne, New England Hosp., Boston, 1902-03; Med. Examiner for the Gymnasium, Bates Coll., Lewistown, Me., 1903-05; Asst. Physician, Disp of New Eng. Hosp., 1904-05.—Prof. of Obstetrics, Woman's Med. Coll. of Penna., and Obstet.-in-Chief to Hosp. of Woman's Med. Coll.; Physician, Girls' Dept. Glen Mills Schools, and Physician, Phila.

Condit Brewer Van Arsdall, A. B., Kentucky Wesleyan, 1894, and A. M., 1898; A. B., Michigan, 1898. —Physician, Harrodsburg, Ky.

John Van Denburgh, A. B., Stanford, 1894, A. M., 1895, and Ph. D., 1897; Hon. Curator, Dept. of Sciences; Act. Chief Children's Clinic, San Fran. Polyclinic, 1902-03; Visiting Physician, King's Daughter's Home for Incurables, Asst. Visit. Gynecol., St. Luke's Hosp.; Surg. Telegraph Hill Neighborhood Assn., 1904-06. — Asst. Surg., San Fran. Polyclinic, and Physician, San Francisco.

Otis Buckminster Wight, A. B., Stanford, 1898; Resident House Officer, 1902-03.—Adjct. in Gynecol., Univ. of Oregon, and Physician, Portland.

Clara Louise Williams, S. B., California, 1897, and M. S., 1898; Interne, St. Luke's Hosp., San Francisco, 1902-03.—Physician, Berkeley, Cal.

Dudley Williams, A. B., 1897; Grad. Student, 1897-98; Grad. Student (Pathol.), Harvard Med. School, 1902-03. — Asst. Physician and Physician, Balt.

Charles Benjamin Wright, A. B., North Dakota, 1898; Resident House Officer, 1902-03; Clin. Instr. in Pediatrics, Univ. of Minn.; Chf. Pediatric Clin., Wells Mem. Free Disp.; Visit. Staff, Minneapolis City Hosp., and Physician, Minneapolis. (57)

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Victor Hugo Bassett, A. B., Knox, 1896; Graduate Student, Wisconsin and Michigan, 1897-98; Instr. in Bacteriol. and Clin. Pathol., Northwestern, Chicago, 1903-04; Fellow in Pathology, 1904-05; Prof. Pathol., Wisc. Coll. P. and S., 1905-06; Assoc. Prof. Pathol., Milwaukee Med. Coll. and Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp., Milwaukee, 1906-08.—Bacteriologist, City of Savannah, Ga.

Lewis Clyde Bixler, A. B., Lafayette, 1899, and A. M., 1902; Resident House Officer, 1903-04.—Physician, Pittsburg.

Elizabeth Hedges Blauvelt, A. B., Bryn Mawr, 1896; Interne, N. Y., Infirmary for Women and Children, N. Y., 1903-05; Med. Missionary, Amoy, China, 1905-09.—Roselle, N. J.

Clinton Ethelbert Brush, Jr., S. B., New York Univ., 1899; Resident House Officer and Asst. in Medicine, 1903-05.—Assoc. Prof. Med. Vanderbilt Univ., Attend. Physician, Woman's Hosp., and Physician, Nashville.

Joseph Albert Chatard, A. B., Loyola, 1898; Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hospital, 1903-04.—Assoc. Phys. St. Agnes' Hosp, Asst. Physician, Instr. in Med., and Physician, Balt.

George Edward Chinn, Jr., S. B., Central Coll. (Mo.), 1899; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1903-04.—U. S. Pension Exam. Surg.; Clin. Asst. St. Vincent's Hosp.; Civil Service Exam. Physician, and Physician, Norfolk, Va.

Alfred Hull Clark, A. B., Cornell, 1899; House Surgeon, The Hartford Hosp., Conn., 1903-05.—Physician, Buffalo, N. Y.

William Burgess Cornell, A. B., Chicago, 1899. Externe, 1903-04; Asst. in Neurol.; Prof. of Neurol., Woman's Med. Coll. (Balto.), 1907-10; Asst. Physician, Sheppard and Pratt Hosp., 1905-10.—Asst. Phys. Danvers State Hosp., Hathorne, Mass.

Emma Grace Dewey, S. B., Wellesley, 1885, and A. M., 1894; Graduate Student, Chicago, 1898-99; Interne, The Babies' Hosp., N. Y.; Rockefeller Institute for Med. Research (Summer, 1903).—Pathologist and Radiographer Passavant Mem. Hosp., and Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B., Oberlin, 1897; Graduate Student, 1898.—Physician, Jefferson, O.

*Dana Lee Eddy, A. B., Yale, 1898.—Leavenworth, Kans.

Roades Fayerweather, A. B., Harvard, 1899; Orthopedic, House Surg., Carney Hosp., 1903-04.—Asst. in Orthoped. Surg. and Surgeon, Baltimore.

John Somerville Fischer, A. B., 1898, and Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hosp., Balt., 1903-04.—Chief Med. Clinic, St. Joseph's Hosp. Disp., Assoc. in Diseases of Children, B. M. C., and Physician, Baltimore.

Frederick Julius Gaenslen, S. B., Wisconsin, 1899; Grad. Student, Harvard, 1901; Interne, German Hosp., N. Y., 1903-06.—Orthoped. Surg., Milwaukee Children's Free Hosp. and Physician, Milwaukee.

Lewis McFarland Gaines, A. B., and S. B., Hampden-Sidney, 1898; Grad. Student, Univ. of Virginia, 1898-99; First Asst. Surgeon, R. I. Hosp., Providence, and House Physician, Providence Lying-in. Hosp. (3 months), 1903-04; Prof. of Anatomy and Physiol., Med. Dept., Wake Forest Coll., Supt. Wake Forest Hosp., N. C., 1904-08.—Prof. Neurol. Atlanta Sch. Med.; Attend. Neurol. Tabernacle Infirm., Wesley Mem. Hosp. and Georgian Hosp.; Visit. Phys. Home Incurables, and Physician, Atlanta, Ga.

John Timothy Geraghty, A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Seminary, 1897; Grad. Student, 1897-98; Resident House Officer, 1903-04.—Asst. Surg. and Assoc. in G.-U. Surg., Visit. G.-U. Surg., City Hosp., Bay View, and Surgeon, Baltimore.

Francis Colquohoun Goldsborough, S. B., Princeton, 1889; Interne in Obstetrics; Asst. Res. Gynecologist; Obstet'n in Chg. and Resident Obstetrician, 1903-07.—Instr. and Asst. Obstetrician, 1907-10.—Prof. Obstetrics, Univ. of Buffalo, and Physician, Buffalo, N. Y.

Justin Frank Grant, Ph. B., Yale, 1898; Prof. of Anatomy and Pathology, Univ. of W. Va., Morgantown, 1903-10.—Prof. Anat. Atlanta Coll. P. & S., Atlanta, Ga.

Louis Wardlaw Haskell, Jr., A. B., 1899; Asst. in Surg. Pathol., 1903-04; House Officer General Mem. Hosp., N. Y., 1905-06.—Assoc. Prof. Surg. Univ. of Tenn, (Memphis); Asst. Surg. Memphis City and Lucy Brinkley Hospitals, and Physician, Memphis, Tenn.

Arthur Douglass Hirschfelder, S. B., California, 1897; Student in Paris and Heidelberg, 1898-99, and Berlin, 1906; Resident House Officer, 1903-04; Asst. in Medicine, Cooper Med. Coll.; Asst. Physician, City and County Hosp. and Physician, San Francisco, 1904-05; Voluntary Asst. in Medi-

cine, 1905-06; Instructor in Medicine, in charge of the Physiol. Lab. of Med. Clinic, 1906-08.—Associate.

Ross Hopkins, A. B. and S. B., Campbell Univ., 1897; A. B., Kansas State Univ., 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B., Amherst, 1899; Resident House Officer, Asst. Res. and Res. Gynecologist, 1903-07; Asst. and Instr. in Gynecol., 1906-07.—Consult. Gyne. Rufus S. Frost Gnl. Hosp., Chelsea and Mem. Hosp., Pawtucket (R. I.), Surg. to Out-Patients, The Free Hosp. for Women, Brookline, Mass.; Fellow in Gynecol. Harvard Med. Sch. and Physician, Boston.

Clement Levi Jones, S. B., Washington and Jefferson, 1899, and M. S., 1904; Clin. Asst. Med., Starling Med. Sch., Pathologist, Hawkes Hosp. of Mt. Carmel, Columbus, O., 1903-06. — Pathol., City Hosp. and Physician, Springfield, O.

Louise Tayler-Jones, A. B., Wellesley, 1896; M. S., Columbian, 1898. Asst. in Pediatrics, Freedman's Hosp.; Physician, The Foundling Hosp. and Nat. Florence Home, Phys. Summer Camp for Sick Babies, and Physician, Washington, D. C.

Albert Keidel, A. B. (Feb. 22), 1900; Clinical Asst. in Medicine, 1903-06.—Physician, Baltimore.

Maurice Lazenby, A. B. (Feb. 22), 1900; House Physician, Church Home and Infirmary, 1903-04.—Prof. Histol. and Assoc. Prof. Surg. Woman's Med. Coll., 1908-10.—Physician, Balt.

Arthur Solomon Loevenhart, S. B., Kentucky State Univ., 1898, and M. S., 1899; Asst. and Assoc. in Physiol.-Chemistry, and Pharm., 1903-06; Associate Professor, 1906-08.—Prof. Pharm. and Toxicol., Univ. Wisconsin, Madison.

Henry D. Long, A. B., Washington and Jefferson, 1894, and A. M., 1897; Cornell Summer School, 1897; Resident House Officer, 1903-04; Asst. Surg. U. S. Public Health and Marine Hosp. Service, Ellis Island, N. Y., 1905-07.—Physician, N. Y.

Margaret Long, A. B., Smith, 1895; Grad. Student, Mass. Inst. Tech., 1896-97; Interne, N. Y. Infirmary for Women and Children, 1903-04.—Physician, Denver, Col.

*Edward Janney Sidwell Lupton, S. B., Columbia, 1899; First Asst. Resident and Resident Physician, Columbia Hosp., Washington, D. C., 1903-04; Physician, Hendersonville, N. C., 1905-06.

Leo Augustine Lynch, A. B., Yale, 1899; Asst. House Surgeon, Society Lying-in Hosp., N. Y., 1903-04; Interne, City Hosp., Blackwell's Island, 1904-05.—Visit'g Surgeon, Swedish Hosp., and Physician, Brooklyn, N. Y.

William Sanders Manning, S. B., Columbian, 1899; Clinical Asst., The Emergency Hosp., Washington, D. C., 1903-04; Ophthalmolog., St. Luke's Hosp., and S. A. L. R. R., and Physician, Jacksonville, Fla.

Watson Marshall, A. B., Princeton, 1899. — Oto-Laryngol., St. Margaret Mem. Hosp., Pittsburg.

Robert Talbott Miller, Jr., A. B., Amherst, 1899; Resident House Officer, and Asst. Res. and Res. Surg., and Instr. in Surg., 1903-09.—Surgeon, St. Francis' Hosp., Pittsburg, Pa.

Mary Elizabeth Morse, A. B., Goucher College, 1899; House Officer, N. Eng. Hosp. for Women and Children, Boston, 1903-04; Resident Physician, Evening Disp. for Working Women, Balt., 1904-05; Asst. Physician, East. Mich. Asylum for the Insane, Pontiac, 1905-06.—Act. Pathologist, Boston State Hosp., Boston.

Willis Bean Moulton, A. B., Bowdoin, 1899; Resident House Officer, 1903-04. — Sec. Me. Med. Assn.; Fellow, Amer. Acad. Med.; Instr. in Gynecol. Med. Sch. of Maine, Adj. Surg., Maine Gen'l Hosp., Asst. Surg., St. Barnabas Hosp., and Physician, Portland, Me.

Harry Benjamin Neagle, A. B., Bowdoin, 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B., Cincinnati, 1899, and A. M., 1900; LL. B., N. Y. Law Sch., 1908; House Surgeon, Presby. Hospital, N. Y., 1904-05.—Head of Dept. of Gynecol., Presbyterian Hosp. Disp.; Attend. Dermatol., Vanderbilt Clinic, and Physician, N. Y.

Theodore Foster Riggs, A. B., Beloit, 1898; Resident House Officer, 1903-04; Asst. Resident and Resident Surg., Union Prot. Infirmary, Baltimore, 1904-07; Grad. Student, Berlin, 1907-08; Private Asst. to Dr. Elting, Albany, N. Y., 1908.—Attend. Staff St. Mary's Hosp., Visit'g Surg. Onida Hosp., and Surg, Pierre, S. D.

Benjamin Franklin Riley, Jr., S. B., Georgia, 1898.—County Physician, Surg. Georgia R. R., and Physician, Thomson, Ga.

George Canby Robinson, A. B., 1899; Asst. Demonstrator of Anatomy, Cornell, Ithaca, N. Y., 1903-04; Resident Pathologist, and Resident Physician, Penna. Hosp., 1904-08; Director Path. Lab. Presbyterian Hosp. and Physician, Philadelphia, 1909-10.—Res. Phys.

Rockefeller Hosp., and Assoc. in Med., Rockefeller Institute, New York.

Marvin Pierce Rucker, A. M., Randolph-Macon, 1899; Virginia Med. Coll., 1899-00.—Demonstrator in Pathol. and Lect. and Demonstrator in Embryol., Medical Coll. of Va., Jr. Attendant in Internal Med., Memorial Hosp.; Surg. A. C. L. Ry.; Secy. Chesterfield Co. Board of Health, and Physician, Manchester, Va.

Ferdinand Schmitter, A. B., Union Coll., 1899; Instr. in Anatomy, Univ. of Wisconsin, Madison, 1903-05; First Lieut. Med. Corps, U. S. A., Fort Egbert, Alaska, 1905-08.—Capt. Med. Corps, U. S. A., Fort Greble, Newport, R. I.

Oscar Theodore Schultz, A. B., Indiana, 1897; Res. Pathologist, Charity Hosp., Cleveland; Brooklyn Inst. Biol. Lab. and Columbia Univ., N. Y., 1903-04; Demstr. and Instr. of Pathol. and Protozoology, Western Reserve Univ., Cleveland, 1904-08. — Asst. Prof. Pathol. *ibid.*

Winford Henry Smith, A. B., Bowdoin, 1899; Resident Gynecologist, The Lakeside Hospital, Cleveland, 1903-05; Hosp. Physician, N. Y. Dept. of Health, 1905-06; Supt. the Hartford Hosp., Conn., 1906-09; Genl. Med. Supt. Dept. Bellevue and Allied Hospitals, New York, 1909-11. — Supt. J. H. Hospital.

Alexander Raymond Stevens, A. B., 1896; Resident House Officer, 1903-04; Director Analytical Lab. of Fraser & Co., N. Y., 1904-05; House Surg., Presbyterian Hosp., N. Y., 1907-08.—Adjunct Attndg. G.-U. Surg., Bellevue Hosp., and Physician, N. Y.

Catherine Hutchison Travis, A. B., McGill, 1895; Grad. Student, Harvard Summer Sch., 1899; House Officer, N. Eng. Hosp. for Women and Children, Boston, 1903-04; Pathol. New Britain Hosp., and Physician, New Britain, Conn.

*Frank Hosford Watson, S. B., Wisconsin, 1899; Resident House Officer, 1903-04. — Chief Med. Clinic, Instr. and Lecturer in Clin. Med., Tulane Med. Sch.; Visit. Physician, Charity Hosp., and Physician, New Orleans. (Died *December* 15, 1909, *Milwaukee*).

Charles Whittier Young, S. B., Univ. of Illinois, 1897; Resident House Officer, 1903-04.—Prof. Bacteriol. and Pathol., Union Med. Coll., and Med. Missionary, Peking, China. (49)

1904

Jay Harvey Bacon, S. B., Knox, 1900; Pathologist, Lakeside Hospital, Cleveland, 1904-05. — Mbr. Staff, The Proctor Hosp.; Phys. The Crittenden Home; Ch'm'n. Educational Comm. Soc. Prev. of Tuberculosis; Surg., Peoria City R. R., and Ill. Tract. System and Keystone Wire Fence Wks.; Visit. Phys. The Bacon Mission Disp., and Surg., Peoria, Ill.

Theodore Baker, A. B., Princeton, 1900.—Physician, Pittsburg.

Robert Bennett Bean, S. B., Va. Polytech. Inst., 1900; Assistant in Anatomy, 1904-05; Instr. in Anat., Univ. of Mich., Ann Arbor, 1905-06; Assoc. Prof. Anat. The Philippine Med. School, Manila, 1907-10. — Assoc. Prof. Anat. Tulane Univ., New Orleans.

Ruth Bennett (Mrs. L. S. Morgan), A. B., Illinois, 1899, and Graduate Student, 1899; Asst. Physician and Surg., Tsing Kiang pu Hosp., Tsing Kiang pu, Kiang Pu Prov., China, 1905-09. — Med. Missionary, Hai Chow via Chinkiang, China.

John McFarland Bergland, S. B., Princeton, 1900; Interne in Obstetrics and Asst. Res. Obstetrician, 1904-06; Asst. in Obstet., 1906-12; Physician, Balt.

Maurice Buford Bonta, A. B., Ky. Wesleyan, 1894; S. B., Michigan, 1897; Resident House Officer, 1904-05; Resident Gynecologist, Lakeside Hosp., Cleveland, 1905-06.—Asst. in Gynecol., Lakeside Hosp. Disp.; Med. Insp'r Public Schs. and Physician, Cleveland, Ohio.

Walter Vernon Brem, Jr., S. B., N. Carolina, 1896; Med. Dept., 1898-00; Resident House Officer, 1904-05; Phys. Ancon Hosp., 1905-07; Chief Med. Clin. Colon Hosp., Cristobal, C. Z., 1907-11.—Prof. Pathol. and Bacteriol., Med. Dept. Univ. Calif., and Physician, Los Angeles.

Julius Alexander Caldwell, Jr., S. B., N. Carolina, 1899; Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer, and Asst. Res. Gynecol., 1904-06.—Physician, Salisbury, N. C.

John Robert Carr, A. B., N. Carolina, 1899, Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer and Asst. Res. Surg., 1904-06. — Physician, Detroit, Mich.

DeWitt Bellinger Casler, A. B., Yale, 1900; Resident House Officer, Asst. in Gynecol. and Asst. Res. Gynecol., 1904-08; Instr. in Gynecol. and Res. Gynecologist, 1908-09.—Physician, Baltimore.

Ralph Torrey Edwards, A. B., Knox, 1897, and A. M., 1899; Bacteriologist, Bureau of Science, Manila, P. I., 1905-08; Director, Gov't Serum Lab., Phrapatoom, Siam, 1908-10.—Physician, Ceylon, Minn.

Anfin Egdahl, S. B., Wisconsin, 1900; Asst. Prof. of Pathol. and

Bacteriol., Coll. of Med., State Univ. of Iowa, Iowa City, 1904-08.—Physician, Menomonie, Wis.

Harold Gould Garwood, S. B., Colorado, 1900, and Med. Dept., 1900-01; Resident House Officer, Minnequa Hosp., Pueblo, Colo., 1904-05; Surg., Colo. Fuel and Iron Co., Redstone, Colo., 1905-06; Sec. Boulder Co. Med. Soc., Res. Surg. Nat. Fuel. Co., Northern Coal and Coke Co., and Fox-Patterson Mining Co., Gorham, Colo., 1906-09. —Physician, Denver, Colo.

Herbert Ziegler Giffin, S. B., Princeton, 1900; Resident House Officer, 1904-05; House Officer, Child's Hosp., Philadelphia, 1905-06.—Physician St. Mary's Hosp., Rochester, Minn.

Harry Seliger Greenbaum, A. B., 1899; Student, Univ. of Berlin, 1899-00.—Instr. in Medicine and Asst. Physician and Physician, Balt.

Josephine Hemenway (Mrs. J. H. Kenyon) A. B., Pritchett Coll., 1898; Bryn Mawr, 1899-00; Resident House Officer, 1904-05.—Res. Physician, Babies' Hosp., New York.

*William Raphael Miles Kellogg, A. B., Adelbert, 1898; Resident Physician, Seattle Gen. Hosp., 1904-05. — Assoc. Editor, *Northwest Medicine;* Secy. Wash. Assoc. Prevention and Relief of Tuberculosis, City Bacteriol., Secy. Pulmonary Hosp., and Physician, Seattle, Wash. (Died October 14, 1908.)

Kenelm Julius Lee, S. B., Wisconsin, 1900. — Physician, Fergus Falls, Minn.

John Marion Love, A. B. and B. L., Hampden-Sidney, 1899; Grad. Student, 1899-00; Clin. Asst. Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp., 1904-06.—Clin. Asst. St. Vincent's Hosp. and Physician, Norfolk, Va.

Wilfred Hamilton Manwaring, S. B., Michigan, 1895, Univ. of Chicago, Summer Qrs., 1899-03; Fellow and Asst. in Pathol., Chicago, 1904-05; Assoc. Prof. of Pathol. Indiana, 1905-07; Fellow, Rockefeller Institute, 1907-08; Asst. in Pathol., 1910.—

Herman Weston Marshall, S. B., Mass. Institute Tech., 1897; Resident House Officer, 1904-05.—Phys., Boston, Mass.

William Carpenter McCarty, S. B., Kentucky State, 1900, and M. S., 1909; Pathol., Augusta Hosp., Berlin, 1904-06.—Surg. Pathol., Mayo Clinic, Rochester, Minn.

*Ernest Clare McGouldrick, A. B., Yale, 1900. — Physician, Brewer, Me. (Died January 9, 1912.)

Lorenzo Seymour Morgan, S. B., Knox, 1900; Asst. Physician and Surg., Tsingkiang pu Hosp., Tsingkiang pu, Kiang Pu Prov., China, 1905-09. — Med. Missionary, Hai Chow via Chinkiang, China.

James Francis Morrison, A. B., Harvard, 1900; Interne, Conn. State Hosp. for Insane, Middletown, 1904; Interne, Kings Co. Hosp., 1904-06; Asst. Physician Conn. Hosp. for Insane, Middletown, 1906-08. — Neurol. Kings Co. Hosp. and Polhamus Mem. Clinic; Visit. Phys. Brooklyn Home for Consumptives and Physician, Brooklyn, N. Y.

Norman Oscar Nelson, S. B., Wisconsin, 1900; Resident Physician, Monroe St. Hosp., Chicago, 1904-1905.—Physician, Madison, Wis.

James Henry Randolph, A. B., Fla. State Coll., 1900; Clinical Asst., The Sheppard and Enoch Pratt Hosp., Towson, 1904-05. — Asst. and Chief Physician, Fla. Hosp. for Insane, Chattahoochee, 1905-10.—Physician, Jacksonville, Fla.

Jewett Villeroy Reed, S. B., Kentucky State Coll., 1900; Resident House Officer, 1904-05. — Asst. Prof. Surg., Indiana Univ. Sch. of Med. and Asst. Consult. Surg. City Hosp., Indianapolis.

Charles Mallory Remsen, A. B., 1899, and Grad. Student, 1899-00; Resident House Officer, Asst. Res. Physician and Asst. Surg. Pathologist, 1904-10; Res. Surg. and Instr. in Surg, 1910-11.—Physician, Atlanta, Ga.

William Gray Ricker, A. B., Yale, 1900; House Surgeon, Montreal Gen. Hosp., Can., 1904-05; Vist'g Physician, The Littleton Hosp., and Physician, Wels River, Vt., 1905-11. — Physician, St. Johnsbury, Vt.

Esther Rosencrantz, A. B., Leland Stanford, Jr., 1899; Barnard Coll., 1899-00; Interne, N. Y. Infirmary for Women and Children, 1905-06. — Clin. Asst., Out-Pat. Dpt. Brompton Hosp. for Consumption, etc., London, Eng., 1906-07; Asst. Attend. Physician, Tuberculosis Clinic, N. Y. Board of Health, 1907; Clin. Asst. P. G. Med. Sch. and Hosp., and Physician, N. Y., 1907-09. (Europe.)

Ernest Sachs, A. B., Harvard, 1900; Interne, The Mount Sinai Hosp., N. Y., 1904-05; Grad. Stud. Berlin, 1907; Clin. Clk. Nat. Hosp. London and Sir Victor Horsley's Lab. Univ. Coll., 1908; Neurol. Surg. Montefiore Home, and Beth. Israel Hosp. Adj. Asst. Surg. Bellevue Hosp. and Chief Surg. Clinic. Out-Patient Dept., and Physician, N. Y., 1908-10. —Assoc. in Surg. Washington Univ. Med. Sch., St. Louis, Mo.

Orville Hickok Schell, A. B., Yale, 1900; House Surg., The Mount Sinai Hosp., New York, 1904-07;

Med. Missionary Changsha, Hunan Prov., China, 1907-08.—Phys., New Rochelle, N. Y.

Harry Russell Stone, Ph. B., Conn., Wesleyan, 1899; Interne, Hudson St. Hospital, N. Y., 1904-05; House Physician and Surg., Private Patients' Bldg., N. Y. Hosp., 1905-07; Deputy Attend. Phys. Hudson St. Hosp., 1909-10.—Physician, New York.

Henry John Storrs, A. B., Amherst, 1899; Interne, Asst. Res. Obstetrician, Res. Obstetrician and Assist, 1904-09.—Phys.-in-Charge, St. Louis Maternity Hosp. and Instr. Obstetrics and Gynecol., Washington Univ., St. Louis.

George Lane Taneyhill, Jr., A. B., 1900; Externe, 1904-05; Asst. Physician and Asst. in Med., 1905-09.—Instr. in Neurol. and Physician, Balt.

Benjamin Taylor Terry, A. B., Vanderbilt, 1898, and A. M., 1900; Univ. Chicago, Summer Qrs., 1900, 1902, and 1904; Univ. of Freiburg, i. B., Summer 1901; Harvard Med. School, Summer 1903; Fellow in Pathol., Chicago, 1904-05; Grad. Student, Univ. Mich., Summers 1905, 1908 and 1911; Grad. Student, Columbia Univ., 1905-06; Univ. of Munich and Pasteur Institute, Paris, 1906-07; George Speyer Haus, Frankfurt, a. M., 1910; Fellow and Asst. Rockefeller Inst., 1906-10.—Assoc. in Protozoology, Rockefeller Institute for Med. Resch., N. Y.

William Lawton Thompson, A. B., Bowdoin, 1899; House Surgeon, City Hosp., Worcester, Mass., 1904-05; Surg. Soc. Lying-in Hosp., N. Y., 1905-06.—Dist. Physician, Boston Disp. and Asst. in Path. and Bact. and Instr. in Obstet., Tufts Coll. Med. Sch., Visit. Obstet., Mt. Sinai Hosp., and Physician, Boston.

George Thomas Tyler, Jr., A. B., Randolph-Macon, 1896, and A. M., 1897; Summer Sch., Columbian Univ., 1899; Interne, Union Prot. Infirmary, Balt., 1904-06; Contract Surg., U. S. A., Fort Porter, N. Y., 1909-10.—Physician, Buffalo, N. Y.

William Jerome Vogeler, A. B., Yale, 1900; Resident Physician, St. John's Riverside Hosp., Yonkers, N. Y., 1904-06; Interne, Nursery and Child's Hosp., N etaoicm 1906-07.—Attend. Phys., St. John's Riverside Hosp. and Sprain Ridge Hosp. for Tuberculosis, Clin. Asst. Vanderbilt Clinic, N. Y., and Physician, Yonkers, New York.

Robert Glendenning Washburn, S. B., Wisconsin, 1900; Wisc. Coll. P. and S., 1900-01.—Dermatol. Milwaukee Co., St. Mary's and Maternity Hospitals; Assoc. Prof. Dermatol., Marquette Univ., and Physician, Milwaukee.

Louis Schneider Weaver, A. B., Pa. Coll., 1899, and Yale, 1900; House Surg., R. I. Hosp., Providence, 1904-06.—Staff. York Hosp., and Penna. State Tuberculosis Disp., and Physician, York, Pa.

John Scott Willock, S. B., Princeton, 1900; Resident Physician, Allegheny Gen. Hosp., Pa., 1904-05; Physician, Hampson & Smith, Railroad Contractors, Mexico, 1907.—Waverly Oil Wks. Co., Pittsburgh, Pa.

Walter Scott Wilson, A. B., N. Ga. Agricult. Coll., 1880; A. M., Univ. of Ga., 1884; Grad. Student, 1893-94, and Univ. of Chicago, 1896-97.—Physician, Savannah, Georgia.

Winfred Wilson, A. B., Weatherford Coll., 1900.—Physician and Surg., Wilson Sanitarium, Memphis, Tex. (45)

1905

Ronald Taylor Abercrombie, A. B., 1901; Resident Physician, Church Home and Infirmary, 1905-06.—Director of the Gymnasium, Instructor, School Hygiene, Summer School J. H. U., and Physician, Baltimore.

Clarence Allen Baer, B. L., Wisconsin, 1900, and S. B., 1901; Michigan, Summer of 1901; Graduate Student, Univ. of Paris, 1905-06; Asst. St. Louis Hospital, Paris, 1906-07; Externe in Dermatol., 1907.—Physician, Milwaukee, Wis.

Leon Kahn Baldauf, A. B., 1901; Asst. Bender Hygienic Laboratory, and Instr. Bact. and Pathol., Albany Med. Coll., Albany, N. Y., 1905-07.—Asst. City Pathol., St. Louis.

Alice May Ballou (Mrs. George W. Eliot), Ph. B., Brown, 1900, and A. M., 1901; Interne, New England Hospital, Roxbury, 1905-06.—Weston, Mass.

Khleber Heberden Beall, S. B. and M. S., Texas, 1899; Resident House Officer and Asst. Res. Physician, 1905-07.—Assoc. Prof. Med. Ft. Worth Univ., Member Texas State Board Health, and Physician, Fort Worth.

Bertram Moses Bernheim, A. B., 1901.—Asst. in Surgery, and Surgeon, Balt.

Kosciusko Walker Constantine, A. B., 1901; Graduate Student, Vienna and London, 1905-07.—Ophthal. Surg., Birmingham, Ala.

Calvin Duvall Cowles, Jr., A. B., Guilford Coll., 1900, and North Carolina, 1901; Interne in Ob-

stetrics, 1905-06. — Capt. Med. Corps, U. S. A., West Point, N. Y.

William Dick Cutter, A. B., Yale, 1899; Student, Univ. of Bern., 1900; Interne, French Hospital, N. Y., 1905-06; Asst. Physician, Hosp. Dep. Copper Queen Con. Mining Co., Bisbee, Ariz., 1906-09.—Prof. Physiol. Univ. Ga., Augusta.

Murray Snell Danforth, A. B., Bowdoin, 1901; Interne, R. I. Hospital, Providence, 1906-08.—Asst. Surg., Dept. Ortho. Surg. and Asst. Pathol. Radiographic Work, R. I. Hosp.; Asst. Ortho. O. P. D. Mass. Gen'l Hosp., and Physician, Providence.

Otho Lee Dascombe, A. B., Bowdoin, 1901; Resident Physician and Surg. Externe, Waltham Hospital, Mass., 1905-08. — Asst. Phys, *ibid.;* Visitg. Phys. Waltham Baby Hosp, and Physician, Waltham, Mass.

Howard Irving Davenport, A. B., Hamilton, 1901, and A. M., 1904; Instructor, Bacteriology and Pathology, Syracuse Univ. Med. Sch., Syracuse, N. Y., 1905-06; County Bacteriol., Ont. Co. Lab., Canandaigua, N. Y., 1906-09.—Physician and City Bacteriol., Auburn, N. Y.

Homer J. Davidson, S. B., Wabash 1899, and A. M., 1910; Resident Physician, Seattle General Hospital, Wash., 1905-06.—Asst. Med. Health Officer, and Physician, Seattle.

Solon Arthur Dodds, Ph. B., Wesleyan (Conn.), 1901; Interne in Obstetrics, and Asst. Res. Gynecologist, 1905-07; Physician, Salisbury, N. C., 1907-10.—Asst. in Obstetrics, and Physician, Baltimore.

Charles Edward Dowman, Jr., A. B., Emory, 1901; Student, Vanderbilt, 1901; Path. Inst. Charlottenburg Krankenhaus, Berlin, 1905-06; Vol. Asst. Univ. Chirurg. Klin., Breslau, 1906-07; Clin. Clk., Nat. Hosp. for Paralytics and Epileptics, London, 1907.—Pathol. Hillman Hosp., Assoc. Pathol. and Bact., Birmingham Med. Coll.; Surg. A. B. & A. R. R. and Sec. & Treas. Jeff. Co. Med. Soc., Chief Surg. O. P. D., St. Vincent's Hosp., and Surg., Birmingham, Ala.

John Augustine English Eyster, S. B., Maryland Agricultural, 1899; Graduate Student, 1899-01; Fellow, Assistant, Instr. and Assoc. in Physiol., 1905-08; Prof. of Pharmacol., Univ. of Virginia, Charlottesville, 1908-10. — Prof. Physiol., Univ. Wis., Madison.

Clifton Maupin Faris, A. B., Leland Stanford Junior, 1900; Resident House Officer, 1905-06; Asst., Dr. H. A. Kelly's Sanitarium (Balt.), 1906-07. — Surgeon, Sacramento, Cal.

Frederick Reynolds Ford, S. B., Colgate, 1901; Resident House Officer, 1905-06; Pathol., St. Luke's Hosp., Deputy Health Officer and Physician, Utica, N. Y.

Allen Wier Freeman, S. B., Richmond, 1899; Graduate Student, 1900-1901; Interne, Newark City Hospital, N. J., 1905-06.—Asst. Com. Health, State of Va., Richmond.

Philip Kingsnorth Gilman, A. B., Leland Stanford Junior Univ., 1901; Assistant in Operative Surgery (H. L.), and Asst. Res. Surgeon, 1905-07; Assoc. Prof. and Prof. Surg., Philippine Gen'l Hosp., 1907-12.—Assoc. Prof. Pathol., Coll. Med. and Surg., Univ. of Philippines, Manila, P. I.

Sarah Mabel Grier (Mrs. C. B. Lesher), A. B., Bucknell, 1901, and A. M., 1904; Resident Physician, Syracuse Hospital, N. Y., 1905-06.—Med. Missionary, Chaochowfu, China.

Edith Hale (Mrs. W. B. Swift), A. B., Radcliffe, 1901; Interne, New England Hospital, Roxbury, 1905-06; Grad. Student, Berlin, Ger., 1908-10.—Asst. Attend. Phys. N. Eng. Hosp. and Disp. and Physician, Boston.

Francis Jenks Hall, A. B., Yale, 1899; Interne, Methodist Episcopal Hospital, Philadelphia, 1905-06.—Med. Missionary, and Instr. in Med., Union Med. Col., and Woman's Med. Coll., Peking, China.

Julius Theodore Haller, S. B., Chicago, 1901; Grad Student, Vienna, Austria, 1910.—Physician, Davenport, Ia.

Helen Hempsted, A. B., Allegheny Coll., 1900; Cornell, 1900-01; Interne, N. Y. Infirm., 1905-06; Asst. Physician, Babies' Hosp., N. Y., 1996-07. — Physician, Cleveland, O.

Thomas Norval Hepburn, A. B., Randolph-Macon, 1900, and A. M., 1901; Interne, The Hartford Hospital, Conn., 1905-07.—Asst. Surg. Hartford Hosp., and Physician, Hartford.

Reuben Paul Higgins, A. B., Cornell, 1902, and Medical Dept., 1900-02. — Ophthalmol., Cortland Hosp., and Physician, Cortland, N. Y.

Donald Russell Hooker, A. B., Yale, 1899, and M. S., 1901; Graduate Student, Berlin, 1905-06; Asst. Instr. and Assoc. in Physiology, 1906-10.—Associate Professor.

Henry Spencer Houghton, Ph. B., Ohio State, 1901; Asst., Rockefeller Institute for Med. Research, N. Y., 1905-06; Physician, Wuhu

Gen. Hosp., China, 1906-11.—Prof. Trop. Med., Harvard Med. Sch. of China, Shanghai.

Henry Marshall Lankford, A. B., Western Maryland, 1901, and A. M., 1905; Supt. and Res. Surg. Evergreen Pl. Hosp. Leavenworth, Kans., 1905-07.—Physician, Princess Anne.

George Bilton Lawson, A. M., Randolph-Macon, 1899; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-07. — Physician, Roanoke, Va.

Eugene Joseph Leopold, A. B., 1901, Graduate Student, Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Grad. Student, London, 1905-07.—Physician, Jewish Hosp. for Consumptives, Asst. Phys. to Hebrew Hosp., Asst. Physician and Asst. in Med., and Physician, Balt.

David Marine, A. B., Western Maryland, 1900; Graduate Student, 1900-01; Resident Pathologist, The Lakeside Hospital, Cleveland, 1905-06; Demonstr. Neuropath., 1906. — Asst. Prof. Exp. Med., Western Reserve Univ., and Physician, Cleveland.

Henry Augustus Martelle, A. B., Bowdoin. 1901; House Officer, Hartford Hospital, Conn., 1905-07.—Physician, Hartford, Conn.

Archibald Leete McDonald, A. B., North Dakota, 1901; Asst. Prof. in charge of Anat., Univ. of North Dakota, and Physician, Grand Forks, 1905-11.—Physician, Duluth, Minn.

Arthur William Meyer, B. S., Wisconsin, 1898; Assistant and Instr. in Anatomy, 1905-07; Asst. Prof. Anat. Univ. of Minn., Minneapolis, 1907-08; Prof. Anat., N. W. Univ. Med. Sch., Chicago, 1908-09. — Prof. Human Anat. Stanford Jr. University, Stanford Univ., Cal.

William Lorenzo Moss, S. B., Georgia, 1901; Resident House Officer and Asst. Physician, J. H. Disp., 1905-07; Grad. Student, Berlin, 1907; Instr. in Med., in Charge Research Lab., Phipps Disp., 1908-10.—Assoc. in Med. and Asst. Res. Physician.

Eugene Bishop Mumford, S. B., Wisconsin, 1901; Res. Physician, Children's Hosp., Boston, 1905-06; Interne, Governeur Hosp., N. Y., and Ship Surg. Booth Steamship Co., 1906-08. — Director, Bureau Contag. Diseases, City Board Health; Physician, Children's Aid Assem.; Vistg. Pediatrician, City Hosp.; Asst. Clin. Pediatrics, Ind. Univ. Sch. Med., and Physician, Indianapolis.

James Edgar Paullin, Jr., A. B., Mercer, 1900, and Graduate Student, 1900-01; Res. Pathologist, R. I. Hospital, Providence, 1905-06.—Asst. Prof. Pathol., Atlanta Coll. P. and S.; Pathol. Ga. State Bd. Health. Asst. Visitg. Physician, Grady Hosp. and Pathol. Wesley Mem. Hosp.

George Edward Rehberger, A. B., 1901; Jr. Asst., Craig Colony for Epileptics, Sonyea, N. Y.; 1905-09.—Physician, Everson, Wash.

Edward Henderson Richardson, A. B., Hampden-Sidney, 1900; Graduate Student, J. H. U., 1900-01; Resident House Officer, Asst. Res. and Res. Gynecol. and Instr., 1905-12.—Assoc. in Gynecol. and Physician, Baltimore.

Charles Ricksher, S. B., Parsons Coll. (Ia.), 1901, M. S., 1905; Clin. Asst., Sheppard and Enoch Pratt Hospital, Towson, 1905-06; Student Munich and Zurich, 1906-07; Asst. Physician, Danvers State Hosp., Hathorne, Mass., 1907-10; Chief of Clinic, Neurol. Institute, N. Y. City, 1910-11.—Asst. in Clinical Psychiatry, Manhattan State Hosp., Ward's Island, N. Y.

Martin Phillip Rindlaub, Jr., B. L., Wisconsin, 1896; Chicago, 1897 and 1900; Berlin, 1900-01. —Oculist, Fargo, N. D.

Francis Peyton Rous, A. B., 1900; Resident House Officer, 1905-06; Instr. in Pathol., Univ. of Mich., Ann Arbor, 1906-08.—Assoc. Member in Pathol. and Bact., The Rockefeller Inst. for Med. Research, N. Y.

Oscar Menderson Schloss, S. B., Alabama Polytechnic, 1901; Resident Physician Kings Co. Hospital, Brooklyn, N. Y., 1905-07; Res. Physician, Nursery and Child's Hosp., N. Y., 1907-08. — Asst. Attend. Pediatrist, N. Y. Nursery and Child's Hosp., and Asst. Attend. Phys., Willard Parker and Riverside Hospitals; Instr. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll. and Physician, N. Y.

Robert Barnard Slocum, Ph. B., Rochester, 1900, and Graduate Student, 1900-01; Resident House Officer, 1905-06; Supt. Walker Mem. Hosp., Wilmington, 1906-08.—Physician, Wilmington, N. C.

Lewis Frederick Smead, A. B., Wooster, 1901; Summer School, Wisconsin, 1901; Senior Resident Physician, Union Protestant Infirmary, Baltimore, 1905-07.—Surg., St. Vincent's Hosp., and Physician, Toledo, O.

Charles Walter Stone, A. B., Washington and Jefferson, 1901, and A. M., 1904; Interne and Res. Phys. Lakeside Hosp., Cleveland, 1905-08; D'mn'r in Med. West. Reserve, 1908; Grad. Student, Berlin, Paris, London, 1908-09; Instr. Nerv. Diseases, Western Reserve, 1909, and Lect. and Asst. Prof. of Nervous Diseases, 1910-

12.—Visit. Neurol. Cleveland City Hosp.; Physician-in-charge Disp. for Nervous Diseases, and Visit. Neurol., Lakeside Hosp.; Visit. Pathol., Huron Road Hosp., and Physician, Cleveland.

Caroline Benson Towles, A. B., Woman's College of Baltimore, 1893; Graduate Student, Prague, 1905-06.—Physician, Baltimore.

Douglas Vander Hoof, B. L., Dartmouth, 1901, and A. M. (Hon.), 1907; Resident House Officer, 1905-06.—Prof. Phys. Diag., Med. Coll. of Va., Attend. Phys., Mem. Hosp.; Consult. Phys., Johnston Hosp., and Physician, Richmond, Va.

George Hoyt Whipple, A. B., Yale, 1900; Assistant and Assoc. in Pathology and Asst. Res. Pathol., 1905-10; Pathologist, Ancon Hosp., C. Z., 1907-08.—Assoc. Prof. of Pathol. and Resident Pathologist.

Harry Isaac Wiel, A. B., Leland Stanford Junior, 1900; Student, Harvard, 1901; Resident House Officer, 1905-06. — Asst. in Med., San Francisco Polyclinic, and Mt. Zion Hosp., and Physician, San Francisco.

Hiram LaMont Youtz, Ph. B., Brown, 1900, and A. M., 1901; Member of Staff, Moline City Hosp., Lect. Anat. City Hosp., Sec. Rock Island Co. Med. Soc., and Physician, Moline, Ill., 1905-08.—Physician, Willow City, N. D.

Lawrence Joseph Rhea, S. B., Texas, 1901.—1st Asst. in Pathol., City Hosp., Boston; Instr. in Pathol., Harvard. (*Degree conferred February* 22, 1906.)

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Henry Adsit, A. B., Princeton, 1902; Non-resident Surgeon, St. James Hosp., Hornells, N. Y.—Surgeon, Buffalo, N. Y.

Frank C. Ainley, S. B., Drake, 1902; Resident House Officer, 1906-07; House Physician, Lakeside Hosp., Cleveland, 1907-08; Asst. Res. Obstetrician, 1908-09; Asst. in Obstet. and Res. Obstetrician, 1909-10.—Physician, Los Angeles.

Vivia Belle Appleton, A. B., Cornell, 1901, and Med Dept., 1901-02; Interne, N. Eng. Hosp. for Women and Children, and Grad. Student, Harvard, 1906-07; Graduate Student, London and Berlin, 1907-09; Interne Babies' Hosp., New York, 1909-11.—Europe.

Frederic Wolcott Bancroft, A. B., Leland Stanford Jr., 1902, Interne, The Roosevelt Hos., N. Y., 1906-08; Interne, The Sloane Maternity Hosp., N. Y., 1908-09.—Asst. Surg. O. P. D., Presbyterian Hosp.; Deputy Surg. O. P. D., N. Y. Hosp.; Clin. Asst. G. U., Vanderbilt Clinic; 1st Lieut. Med. Res. Corps, U. S. A., and Physician, New York.

Herschel Winston Bass, S. B., Alabama Polytechnic, 1901, and M. S., 1902; Graduate Student, Berlin, 1906-07.—Physician, Gadsden, Ala.

Francis Cooke Beall, S. B., Texas, 1902; Resident House Officer, 1906-07.—Prof. Anat. Med. Dept., Ft. Worth Univ., and Surg., Ft. Worth, Tex.

Edward Bailey Beasley, A. B., 1902; Dr. P. H., Harvard, 1911; Resident Physician, The Leigh Hosp., Norfolk, Va., 1906; Interne, Willard Parker Hosp. (N. Y. Health Dept.), and Asst. Surg. Woman's Hosp., N. Y., 1907.—Physician, Baltimore.

Henry Beeuwkes, A. B., 1902.—House Physician and Surg., Hudson St. Hosp., N. Y., 1906-07; House Surg., N. Y. Hosp., 1907-09. — First Lieut. Army Med. Corps, Ft. Jay, Governor's Is., New York.

Julian Raymond Blackman, A. B., Nebraska, 1902; Assistant in Physiol., Wisconsin, Madison, 1906-08; Pathol. and Surg. Asst., St. Mary's Hosp., Oshkosh, Wis., 1908; Pathol., St. Vincent's Hosp., Green Bay, Wis.; Physician, Hastings, Neb., 1908-09; Asst. Res. Gynecologist, 1909-10.—Asst. Dr. Kelly's Private Hosp., Baltimore.

Phoebe May Bogart (Mrs. Van Voast), A. B., Wellesley, 1902; Interne Woman's Hosp., Detroit, until Jan., 1907; Interne, Syracuse Hosp., N. Y., 1907-08.—Asst. Children's Div. Presbyterian Hosp. Disp.; Phys. Milk Sta., N. Y. Diet Kitchen Assn., and Physician, New York.

Edwards Bennett Brown, A. B., Beloit, 1901; Wis. Coll. P. and S., 1901-03.—Physician, Beloit, Wisconsin.

Louis Herbert Burlingham, A. B., Yale, 1902; Med. House Officer, Mass. Genl. Hosp., 1906-07; Asst. Res. Phys., Mass. Gen. Hosp., Boston, 1907-11.—Asst. Administrator, *ibid.*

Charles Metcalfe Byrnes, S. B., North Carolina, 1902; Adj. Prof. of Anatomy, Virginia, Charlottesville, 1906-09. — Instr. in Neurology, and Physician, Baltimore.

John Roberts Caulk, A. B., St. John's, 1901; Georgetown, 1901-02; Interne and 2nd Asst. Res. Union Protestant Infirmary, 1906-07; Asst. Res. Surg. J. H. H., 1908-09; Asst. to Dr. Young, 1909-10. — Instr. G.-U. Surg., Washg. University, Editor Interstate Med. Jour. and Surgeon, St. Louis.

Franklin H. Church, A. B., Hamilton, 1902, and A. M., 1905; Interne, Utica General Hosp., 1906-07.—Asst. Gynecol. Utica Genl. Hosp., Pathol. St. Elizabeth's Hosp., Deputy Health Officer and Physician, Utica, N. Y.

Oren Howard Cobb, A. B., Harvard, 1902; Clin. Asst. Med., N. Y. P.-G. Hosp., 1906-07; Med. Inspect. Div. Child Hygiene, Dept. Health, N. Y., 1907-08; Res. Phys., N. Y. State Hosp. for Care of Crippled and Deformed Children, W. Haverstraw, N. Y., 1909-12.—Supt. Syracuse State Inst. for Feeble-minded Children, Syracuse.

T. Homer Coffen, S. B., Penn., 1901, and M. S., 1905.—Instr. Clin-Pathol.; Asst. in Med., Cornell Univ. Med. Coll.; Asst. Visit. Phys., Bellevue Hosp., O. P. D., Asst. Visit. Phys. and Instr. in Medicine, the N. Y. Post-Graduate Hospital and Med. Sch., and Physician, N. Y.

Herbert Phalon Cole, A. B., St. Lawrence, 1901; Student of Medicine, Minn., 1901-02.—Assoc. Prof. Gynecol. Univ. Ala., and Gynecol., City Hosp. and Mobile Infirm., and Surgeon, Mobile.

Egerton Lafayette Crispin, Ph. B., Illinois, 1902; Res. Pathol. and Physician, Penn. Hosp., Phila., 1906-10.—Physician, Santa Monica, Cal.

Ernest Samuel Cross, A. B., Dartmouth, 1901; Resident House Officer, 1906-07; Res. and Asst. Attend. Physician, Telfair Hosp., Savannah, Ga., 1908-09; Med. Dir. and Chief of Staff, *ibid*, 1910.—Physician-in-charge, Aiken Cottage Sanatorium, and Physician, Aiken, S. C.

Victor Francis Cullen, A. B., Rock Hill, 1902, A. M., 1906; Res. Surgeon, St. Joseph's Hosp., Baltimore, 1906-08.—Supt. Md. Tuberculosis Sanatorium, State Sanatorium.

Gaston Day, S. B., Florida State, 1902; The New York Lying-in Hosp. (until Nov., 1906); House Surgeon, St. John's Riverside Hosp., Yonkers, N. Y., 1906-07.—Physician, Jacksonville, Fla.

Richard Nixon Duffy, A. B., North Carolina, 1902; Resident House Officer, 1906-07.—Physician, New Bern, N. C.

Francis Fisher Ebersole, A. B., Cornell Coll., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-08.—Physician, Mt. Vernon, Ia.

Eugene Price Gray, A. B., North Carolina, 1902; Interne, James Walker Memorial Hosp., Wilmington, N. C., 1906-07.—Physician, Winston-Salem, N. C.

Herbert Lee Gray, A. B., Colby, 1902; Interne, Lying-in Hosp., N. Y. (4 mos.); Interne, Kingston Ave. Hosp., Dept. of Health, Brooklyn, N. Y., 1906-07.—Deputy Surg., N. Y. Hosp.; Clin. Asst. G.-U. Dept. N. Y. Polyclinic Hosp.; Chief Clin. G.-U. Diseases, Demilt Disp., and Physician, N. Y.

Franklin Webb Griffith, A. B., Western Maryland, 1902, and A. M., 1905; Externe in Gynecology, 1906-07; Asst. Resident and Act. Res. Gynecologist, 1907-11.—Surg. to Biltmore Hosp. and Surg., Asheville, N. C.

Arthur Heywood Griswold, A. B., Harvard, 1902; Interne, The Hartford Hospital, Conn., 1906-08.—Physician, Hartford Tub. Disp., Asst. Pathol. and Bact. Hartford Hosp. and Phys., Hartford, Conn.

Henry Honeyman Hazen, A. B., 1902; Externe in Dermatol.; Chief Clinic, Freedman's Hosp., and Instr. Clin. Micpy., Howard Med. Sch., 1906-09; Visit. Dermatol., Freedman's Hosp., 1910-11.—Asst. in Dermatol., J. H. U.; Clin. Prof. Dermatol., Howard Univ., and Physician, Washington, D. C.

Henry Frederick Helmholz, S. B., Wis., 1902; Summer Quarter, Chicago, 1902; Fellow in Pathology, 1906-1907; Voluntär Asst. Children's Clinic, Berlin, 1907-09.—Asst. Prof. Pediatrics, Rush Med. Coll.; Resch. Asst. Otho. S. A. Sprague Mem. Inst.; Attend. Phys. St. Joseph and Child. Hospitals; Med. Dir. Infant Welfare Soc., and Physician, Chicago.

Charles William Hennington, S. B., Rochester, 1902; Res. House Officer, and Asst. in Surg. Path., 1906-08.—Surg. O. P. D. Rochester Gen. Hosp. and Rochester State Hosp. Assoc.; Editor *Buffalo Med. Journal*, and Surgeon, Rochester, N. Y.

Minerva Herrinton, A. B., Cornell, Ia., 1900; Graduate Student, Lewis Inst. (Chicago), 1902; Physician, Evening Dispensary for Women and Children, Baltimore, 1906-08.—Physician, Phila.

Joseph Henry Hewitt, A. B., North Carolina, 1899, and Med. Dept., 1901-02; Harvard Summer 1902; Res. Pathologist, Charity Hosp., Cleveland, O., 1906-08; Dem'nst'r Pathol. Univ. Minn., 1909-10; Pathol. Ga. State Sanitarium, Milledgeville, 1910-11.—Chicago.

Frank Hinman, A. B., Leland Stanford, Jr., 1902.—City Bacteriol., and Physician, Spokane, Wash.

Josephine Drummond Hunt, A. B., Kentucky, 1899, and A. M., 1902; Interne, Hospital for Women and Children, Syracuse, N. Y., 1906-07; Summer Interne, Babies' Hosp., N. Y., 1909.—Obstetrician, Good Samaritan Hosp., and Phy-

sician to House of Mercy, Clin. Asst. Tub. Disp. and Physician, Lexington, Ky.

Elliott H. Hutchins, A. B., St. John's, 1902; and A. M., 1906; Interne, Church Home and Infirmary, Balt., 1906-07; Res. Surg., Lakeside Hosp., 1907-08. — Physician, Balt.

Clarence B. Ingraham, Jr., Ph. B., Yale, 1902; Interne in Obstetrics, 1906-07; Asst. Dr. Kelly's Sanitarium, Baltimore, 1907-09. — Instr. in Obstetrics, Univ. of Colo.; Obstet., St. Luke's Hosp.; Gyn., Mercy Hosp.; Med. Reserve Corps, U. S. A., and Physician, Denver, Col.

Lawrence Lee Iseman, Ph. B., Lafayette, 1902; Senior Resident, Kensington Hosp. for Women, Phila., 1906-08. — Clin. Asst. in Surg., N. W. Univ. Med. Sch.; Asst. Surg. Ill. Cent. R. R., and Physician, Chicago.

William Finney Kellam, A. B., Randolph-Macon, 1902. — Physician, Onley, Va.

Eugene Robert Kelley, A. B., Bowdoin, 1902; Interne, Carney Hosp., Boston, 1906-07. — Asst. State Comm. Health, and Physician, Seattle, Wash.

John Hendricken King, A. B., 1899; and Grad. Student, 1899-02; Vol. Asst. and Asst. in Med., 1906-08; Instr. in Pathology, 1908-10.—Associate.

Mary Barker Kingsbury, A. B., Wellesley, 1899; Harvard Summer School, 1899; Interne, The Babies' Hosp., New York, 1906-07. — Physician, Pottsville, Pa.

Wilhelm Edmund Harmon Krechting, A. B., Princeton, 1902; Asst. House Surg., N. Y. Lying-in Hosp., 1906-07. — House Surg. J. Hood Wright Mem. Hosp., N. Y.

Harry Leslie Langnecker, A. B., Leland Stanford, Jr., 1901; Res. House Officer, 1906-07; Orth. House Officer, Mass. Genl. Hosp., 1908; Asst. Orthoped. Surg. Mass. Genl. Hosp., 1909-11.—Asst. Res. Phys., *ibid,* and Physician, Cambridge.

Andre Edward Lee, A. B., Leland Stanford, Jr., 1902; Passed Asst. Surgeon, U. S. N., Mare Island Hosp., Calif., 1906-07; Naval Hospital, Canacao, P. I., 1907-08; Cruising Asiastic Sta., 1909; Mare Is. Hosp., Cal., 1910; P. A. Surg., U. S. N., Navy Recruit'g. Sta., Buffalo, N. Y., 1910-12.—Surgeon, Amer. Legation, Peking, China.

Joseph Stocking Lewis, A. B., Canisius, 1902; Graduate Student, Cornell, Summer, 1902; Interne, German Hospital, N. Y., 1906-09.—Asst. Surg. Children's Hosp., and Attend. Gynecol., Buffalo Sister of Charity Hosp., and Physician, Buffalo, N. Y.

David Israel Macht, A. B., 1902; Harvard Summer Sch., 1903, 1904 and 1905; Vol. Asst. Klinik, Prof. Landau, Berlin, and Graduate work in Europe, 1906-07; Externe, Med. and Phipps Dispensaries, 1908-09; Asst. in Gynecol. Hebrew Hos., 1908-10.—Gynecol. Jewish Hosp. for Consumptives; Asst. in Medicine, Coroner N. W. Dist. and Physician, Baltimore.

George Marsden, Ph. B., Brown, 1900.—Physician, New Bedford, Mass.

Enoch Marvin Mason, S. B., Alabama Polytechnic, 1900, and M. S., 1901; Resident House Officer, 1906-07; Ala. State Bact. and Pathol. 1908-11.—Phys. St. Vincent's Hosp. Clinic. and Jeff. Co. Anti-Tubercul. Assn., Pathol. Hillman Hosp. and Physician, Birmingham, Ala.

Carl R. Meloy, A. B., Wittenberg, 1902, and A. M., 1905; Instructor in Pathol., Univ. of Virginia, 1906-07; Asst; in Pathol. and Asst. Resident Pathol., and Pathol. City Detention Hosp., Bay View, 1907-08; Adj. Prof. Pathol., Univ. of Va., Charlottesville, 1908-10.—Pathol. and Director of Laby. Detroit Gen. Hosp. and Physician, Detroit, Mich.

Robert Emory Moore, A. B., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-08.—Asst. Visit. Surg., Samaritan Hosp. and King's Co. Hosp. and Allied Hospitals of Brooklyn, and Physician, Brooklyn; Clin. Asst. G.-U. Diseases, L. I. Coll. Hosp.

Arthur Henry Morse, A. B., Tufts, 1902; Harvard Medical Sch., Summer of 1903; Res. Pathol., R. I. Gen., Providence, 1906-07; Asst. Res. Obstetrician, 1907-08; Asst. Res. Surg., U. P. Infirm., 1908-09; Asst. Res. Obstet., 1909-10; Res. Obstetrician and Instr. in Obstetrics 1910-11. —Res. Surg. U. P. Infirmary.

Agnes Gordon Murdoch, A. B., Woman's Coll. of Balto., 1902; Interne, New Eng. Hosp., Roxbury, Mass., 1906-07.—Med. Missionary, Hwai Yuen via Nanking, China.

Marie Eleanor Nast (Mrs. W. B. Wherry), A. B. Woman's Coll. of Balto., 1902; Chicago, 1902-03. —Cincinnati, O.

John Francis Ortschild, A. B., Leland Stanford Jr., 1899; Asst. in Operative Surgery (H. L.), 1906-07; Asst. Res. Surg., 1907-08. —Portland, Ore.

Robert Patek, S. B., California, 1901; Interne City and Co. Hosp. S. F. 1906-07. — Asst. Surg., Emergency Hosp., and Physician, San Francisco.

Isaac Rosenbaum Pels, A. B., 1902; Interne, The Jewish Hosp., Phila.,

1906-07; Externe in Medicine, 1907; Interne, U. P. I., 1908; Externe in Surgery, 1908-09.—Surg. Out-Pat. Dept. Hebrew Hosp., Asst. in Dermatol. and Physician, Baltimore.

Damon Beckett Pfeiffer, A. B., Princeton, 1902; Interne, The German Hosp., Phila., 1906-09. Pathol., German Hosp.; Director, Clin. Lab., Presbyterian Hosp.; Instr. Surg. Univ. of Penna.; Asst. Surg. Univ. Hosp. and Out-Patient Dept. German Hosp., and Physician, Philadelphia.

Benjamin Swayne Putts, A. B., 1902; Res. Physician, Allegheny General Hosp., Pa., 1906-07; Physician, Mass. State Sanatorium, Rutland, 1907-08; Deputy Med. Director, Penna. State So. Mt. Sanatorium, Mont Alto Pa., 1909-11.—Physician, Erie, Pa.

Ralph R. Rea, S. B., Iowa State, 1899.—Physician, Los Angeles, Calif.

Francis Hamilton Redewill, S. B., California, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1906-07; Asst. Surg. Ft. Bayard, N. M., 1907-08; Student, Paris, 1910-11; Asst. Chief. Surg. Randolph R. R. Lines; Phys. & Surg., Phoenix, Ariz.

Richard Frederic Lot Ridgway, A. B., Princeton, 1898, and A. M., 1902; Res. Physician Harrisburg Hospital, Pa., 1906-07. — Disp. Surg. and Anaesthetist, Harrisburg Hosp., and Physician, Harrisburg.

Henry Camp Russ, A. B., Yale, 1902; Res. Pathologist, The Lakeside Hosp., Cleveland, O., 1906-07; Asst. Supt., *ibid.*, 1907-08.—Physician in chg. Lab. Charter Oak Private Hosp., Asst. Pathol. Hartford Hosp., and Physician, Hartford, Conn.

Harold Payne Sawyer, S. B., Alabama, 1902; Asst. in Pathol., Bender Hygienic Lab. and Instr. in Pathol. and Bacteriol., Albany Med. Coll., N. Y., 1906-08; Instr. Pathol. Univ. and Bellevue Hosp. Med. Sch., 1908-09.—Asst. Pathol. Samaritan Hosp., Pathol. Leonard Hosp., Instr. in Clin. Micpy., Albany Medical Coll., and Physician, Troy, N. Y.

Edwin Henry Schorer, S. B., Wisconsin, 1902; Dr. P. H., Harvard, 1912; Rockefeller Inst. for Med. Research, N. Y., 1906-07; Instr. in Pathol. and Bacteriol., Univ. of Missouri, Columbia, 1907-08; Asst. Prof. Parasitology and Hygiene, *ibid.*, 1908-09; Asst. Prof. Bact. and Path. Univ. of Kansas, Lawrence, 1909-10; Special Investigator, Dept. Preventive Med. and Hygiene, Harvard Med. Sch., Boston, 1910-12.—Pediatrist, Kansas City, Mo.

*Lamar Seeley, A. B., Williams, 1902.—Interne, St. Luke's Hosp., New York, 1906-07.

Ralph Berger Seem, Ph. B., Lafayette, 1902; Senior Res. Physician, St. Luke's Hosp., South Bethlehem, Pa., 1906-08; Supt. J. Walker Mem. Hosp., Wilmington, N. C.—Bethlehem, Pa.

Frank Joseph Sladen, A. B., Yale, 1902; Resident House Officer and Asst. Res. Physician in Charge Med. Bacteriol. Lab., Asst. in Med., 1906-08; Instr. in Med. and Asst. Res. Physician, 1908-10.—Assoc. in Med. and Res. Physician and Med. Adviser to the Students.

Harry Gordon Sloan, A. B., Washington and Jefferson, 1902; Res. Surg., The Lakeside Hospital, Cleveland, 1906-09. — Demonstr. Surg. Physiol. West. Res. Med. Dept. and Physician, Cleveland.

Harvey Brinton Stone, A. B., 1902; Res. House Officer, 1906-07; Adjunct. Prof. of Surg., Univ of Virginia, Charlottesville, 1907-10.—Assoc. Prof. Surg., Balt. Med. Coll., and Surgeon, Balt.

Solomon Strouse, A. B., 1902; Res. House Officer, 1906-07; Physician, O. P. D. Hebrew Hosp., 1907-09.—Assoc. Attend. Phys., Michael Rees Hosp.; Asst Director, Morris Inst. for Med. Research, and Physician, Chicago.

Henry Clarke Thacher, A. B., Yale, 1902, M. S., 1904, and Med. Dept., 1902-03; House Officer, Bellevue Hosp., N. Y., 1906-08; Dr. Thayer's Asst. J. H. H., 1909-10.—Instr. in Med., Columbia Univ., N. Y.; Asst. Visit. Phys., Seton Hosp.; Attend. Phys., Vanderbilt Clinic and Lincoln Home., and Physician, N. Y.

Philip Pickering Thompson, A. B., Dartmouth, 1902; Med. Sch. of Maine, 1902-03; Interne, Carney Hospital, Boston, 1906-07.—Dmnstr. Anat. Med. Sch. of Me., Assoc. Editor, Me. Med. Jour., and Physician, Portland.

Harry Norton Torrey, S. B., Knox, 1900; Med. Dept., Mich., 1901-05, and A. M., 1905; Rockefeller Fellow, Univ. of Mich. Summer of 1906. — Physician, Detroit, Mich.

Willis Willard Waite, S. B., Wisconsin, 1902; Pathological Interne, City Hospital, Blackwell's Island, N. Y., 1906-07; Bacteriol, N. Y. City Dept. Health, 1907, Bureau of Health and St. Joseph's Hosp., and Physician, Syracuse, N. Y.—Dir. El Paso Med. Lab., El Paso, Texas.

Harold Randall Webb, A. B., Bowdoin, 1902; Resident Physician, City Hosp., Waltham, Mass, 1906-08.—Physician, Arlington, Mass.

George Howard White, Jr., A. B., Princeton, 1902; Resident House Officer, 1906-07; Pathol., General Hosp., and Physician, Charleston, W. Va.

Frederick Petheram Wilbur, A. B., Williams, 1902; Interne, City Hosp., Blackwell's Island, N. Y., 1906-07.—Physician, Franklin Furnace, N. J.

Nannie Lee Winn, A. B., Woman's Coll. of Balto., 1900.—Physician, Clayton, Ala.

John Arthur Winter, A. B., Michigan, 1902; Interne, The Lakeside Hospital, Cleveland, 1906 - 07; Physician and Surg., Calumet and Hecla Mining Co. Hosp., Calumet, Mich., 1907-08; Grad. Student in Europe, 1908-09; House Surgeon Ill. Charitable Eye & Ear Infirmary, Chicago, 1909-10.—Physician, Duluth, Minn.

Gilman Joseph Winthrop, A. B., Univ. of the South, 1902; Interne, Gouverneur Hosp., New York, 1906 - 08. — Dmnstr. Surg. and Pathol., Univ. of Ala., and Surgeon, Mobile.

Benjamin Edgar Wolfort, S. B., Pennsylvania, 1902, and Med. Dept., 1901-02; Interne, Kingston Av. Hospital, Brooklyn, 1906-07; Interne, Jewish Hosp., Brooklyn, N. Y., 1907-08.—Asst. Orthopedic Surg., Jewish Hosp.; Surg. East N. Y. and Jewish Hosp. Dispensaries, and Physician, Brooklyn.

Samuel Wolman, A. B., 1902.—Instr. in Med. and Asst. Physician and Physician, Baltimore.

Peregrine Wroth, Jr., A. B., 1902; Res. Physician, Union Protestant Infirmary, Balt., 1906-08. — Surgeon, Hagerstown, Md.

Persis Rosamond Straight, A. B., Smith, 1902. — Physician, Bradford, Pa. (*Degree granted Nov.* 5, 1906).

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1907

Merle Theron Adkins, S. B., Beloit, 1903; Interne, Union Protestant Infirmary, 1907 - 08. — Physician, Baltimore.

Francis Merriman Barnes, Jr., A. B., Hamilton, 1903; A. M., 1906; Asst. Phys. and Director Clin. Lab., Sheppard and Pratt Hospital, Towson, 1907-10. — Senior Asst. Physician, Gov. Hosp. for Insane, Washington, D. C.

Albert Henry Beifeld, A. B., Harvard, 1902; Interne, Michael Reese Hospital, Chicago, 1907-09.—Asso. Attend. Phys., Michael Reese Hosp., and Physician, Chicago.

Edward Grant Birge, S. B., Wisconsin, 1903; Bacteriologist, Back River Disposal Wks., Colgate, Baltimore, 1907-11. — Asst. Bacteriol. Penna. R. R. Co., Altoona, Pa.

Montague Laffitte Boyd, Ph. B., Emory, 1903; Interne, Walker Mem. Hospital, Wilmington, N. C., 1907-08; Private Asst. to Dr. H. H. Young, 1908-09; Asst. Res. Surg. J. H. H., 1909-10.—Clin. G. U. Asst., Atlanta Coll. P. & S. Andrologist, Wesley Mem. Hosp., G. U. Surg. Moore Mem. Clinic. and Surgeon, Atlanta.

Leverett Dale Bristol, S. B., Wesleyan (Conn.), 1903; Interne, Hartford Hosp., Conn. (summers), 1905-06; Instr. in Pathol. and Bacteriol., Coll. of Med., Syracuse Univ., N. Y., 1907-08; Physician, St. Paul Free Med. Disp.; Assoc. Phys. Univ. Hosp. and Clin. Asst. Med. Univ. Minn.; Med. Director, St. Paul Anti-Tub. Com.; Secy. Clin. Sec. Nat. Assn. Study and Prevention of Tuberculosis, and Physician, St. Paul, Minn., 1908-12.—Asst. Prof. Bact. and Direct. Bact. Lab., Syracuse Univ., N. Y.

Chester Timothy Brown, S. B., Rutgers, 1903; Interne, N. Y. City Hospital, 1907 - 08. — Physician, East Orange, N. J.

Wade Hampton Brown, S. B., Nashville, 1899; Chicago, 1902-03; Interne, Union Protestant Infirmary, Balt. (until Sept. 1, '07); Instr. in Pathol., Univ. of Virginia, Charlottesville, 1907 - 08; Instr. in Pathol., Univ. of Wisconsin, Madison, 1908-10; Asst. Prof. Pathol., *ibid.*, 1910 - 11.—Prof. Histol. and Pathol. Univ. of N. C., Chapel Hill.

Frederick Dabney Bullock, S. B., Ky. State Coll., 1899; Interne, German Hosp., N. Y., 1907 - 08.—Asst. Pathol., R. I. Genl. Hosp., Providence.

Edward Kimball Burbeck, A. B., Dartmouth, 1903.—Phys., Salem, Mass.

Charles Burnside, Ph. B., Iowa Coll., 1903; Interne, Passavant Mem. Hospital, Chicago, 1907 - 08.—Physician, Des Moines, Ia.

Waid Edwin Carson, A. B., Ohio Wesleyan, 1900; Spg. and Summer Qrs., Chicago, 1903; Res. Phys., Allegheny Genl. Hosp., Pgh., 1907-08.—Physician, Pittsburgh.

James H. Chesnutt, A. B., Virginia, 1903: Resident House Officer, 1907-08.—Physician, Hot Springs, Ark.

Eliot Round Clark, A. B., Yale, 1903; Asst. and Instr. in Anatomy, 1907-10.—Associate.

Paul Wiswall Clough, S. B., Wisconsin, 1903; Resident House Officer, 1907 - 08; Asst. and Instr. in Med. and Asst. Res. Physician,

1908 - 11. — Instr. in Med. in Chg. of Biol. Div. of Med. Clinic and Asst. Res. Phys.

Edwin Charles Cort, A. B., Washington and Jefferson, 1901, and A. M., 1904; Student, West. Penna. Med. Coll., 1901-03; Externe in Medicine, 1907 - 08. — Med. Missionary, Lakawn, Siam.

Fred John Cronk, S. B., St. John's, 1903, and A. M., 1907; Interne, Lakeside Hosp., Cleveland, 1907-09; Res. Surg., St. Agnes' Hosp., Balt., 1909-10.—Surg.-in-Chief, M. E. Hosp., Guthrie, Okla.

Robert Law Cunningham, A. B., Wabash, 1901; Resident House Officer, 1907-08; Instr. Physiol. and P.-C. Univ. of Calif., 1909-10; Res. Phys., Barlow Sanatorium, 1908-11; Instr. in Med. and Physical Diag., Univ. of Cal., 1910-12. — Attend. Phys. Barlow San'm and L. A. Co. Hosp.; Chief Med. Dept. Selwyn Emmet Graves Disp. Med. Dept. Univ. Cal., and Physician, Los Angeles.

Cline Flemming Davidson, S. B., Wabash, 1900; Illinois, 1901-03; Res. House Officer, 1907-08; Asst. Instr. Physiol., State Univ., Wash., 1908-09. — Chief City Med. Inspector, Pathol. City Hosp., and Physician, Seattle, Wash.

Paul Herman Dernehl, S. B., Wisconsin, 1903; Volun. Asst. Rostock, Germany, 1907-08; Asst. Ophthal. Clinic, Strassburg, 1908-09.—Physician, Milwaukee.

William Wirt Dinsmore, S. B., Ala. Polytechnic, 1903.—Physician, Decatur, Ala.

Alphonse Raymond Dochez, A. B., 1903; Rockefeller Student in Path. Physiol., J. H. U., 1908; Fellow in Path. Rock. Inst. for Med. Res., 1909-10; Bacteriol. the Hosp. of the Rockefeller Inst. for Med. Research, N. Y., 1911.—Asst. Res. Physician, *ibid.*

Robert Weyer Dunlap, A. B., Washington and Jefferson, 1903; Interne, West Penna. Hosp., Pittsburgh, 1907-08. — Med. Missionary, Amer. Presbyterian Mission, Wei Hsien, Shantung Prov., China.

Dan Hughes DuPree, S. B., Georgia, 1903. — Grad. Student, Vienna, 1911; Exam. Phys. State Tb. Sanitarium, and Physician, Athens, Ga.

Willis Dew Gatch, A. B., Indiana, 1901; Resident House Officer, 1907-08; Asst. Res. Surgeon and Asst. in Surgery, 1908-11. —Prof. of Surgery, Med. Sch. Univ. of Ind., Indianapolis.

Henry Graber, A. B., Ursinus, 1903; Res. and Chf. Res. Phys., Presbyterian Hosp., Philadelphia, 1907-10.—Physician, Royersford, Pa.

Inslee Blair Greene, Ph. B., Yale, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1907-08; Res. Physician, Seattle Municipal Hosp., 1909.—Physician, Seattle, Wash.

Clyde Graeme Guthrie, A. B., Lafayette, 1903; Resident House Officer, 1907-08.—Instr. in Med. in charge Clin. Lab. and Asst. Res. Physician.

Milton Hahn, A. B., Harvard, 1903; Interne, Mt. Sinai Hosp., New York, 1907-09.—Visitg. and Attend. Pediatrician, Freedman's Hosp. and Geo. Washington's Univ. Disp.; Instr. in Pediatrics, Geo. Washington's Univ. and Physician, Washington, D. C.

Aleck Perkins Harrison, A. B., Fla. State Coll., 1899; Res. Physician, St. Agnes' Hosp., Balt., 1907-08; Res. Physician, "Camp Greenbrier," Alderson, W. Va. (Summer of 1908); Private Physician, abroad, Summer, 1909; Phys. and Pathol., Springfield State Hosp., Md., 1909-10; Asst. Med. Director "The N. W. Mutual Life Ins. Co. of Milwaukee;" Physician, Milwaukee, 1910-11. — Physician, Madison, Ind.

Franklin Hazlehurst, Jr., A. B., 1903; Act. Res. House Officer and Externe in Medicine, 1907 - 08; Volun. Asst. Ear Clinic, Univ. of Strassburg, 1909-10.—Laryn. and Otol., Robt. Garrett Hosp. for Children and Asst. in Throat and Nose, and Physician, Balt.

Ralph Wellington Hellenbrand, A. B., Bowdoin, 1903.—Res. Surg. New York Hosp., N. Y.

Elizabeth Singley Hellweg, A. B., Woman's Coll. (Balt.), 1899.—Asst. Phys. Manhat. State Hosp., Wards Is., N. Y.

Gladys Rowena Henry, S. B., Nebraska, 1900; Resident House Officer, 1907-08; Asst. Res. Physician, 1908-09.—Chicago, Illinois.

George Julius Heuer, S. B., Wisconsin, 1903; Resident House Officer and Asst. Res. Surg., 1907-11.—Res. Surg. and Instr. in Surg.

Eben Clayton Hill, A. B., 1903; Graduate Student, Freiburg, Summer, 1904, 1906; Res. Phys. Camp Champlain, Burlington, Vt., 1907-08; Asst. in Anatomy, 1907-08; 1st Lieut. Med. Reserve Corps, 1908 - 09; Graduate, Army Med. Sch., 1909; 1st Lieut., 1909-11.—Captain, Med. Corps, U. S. Army, Fort Porter, N. Y.

Charles Lane Hincher, S. B., Rochester, 1903; Interne, Park Ave. Hosp., Rochester, N. Y., 1907-08.—Physician, Rochester, N. Y.

Joseph Gardner Hopkins, A. B., Columbia, 1902; Resident House Officer, 1907-08; Bacteriol., St. Luke's Hosp., 1910; Pathol., Sloane Maternity Hosp., 1910-12. —Asst. in Clin. Pathol., Columbia Univ., N. Y.

Herbert Lester Kelley, A. B., Dartmouth, 1903.—Passed Asst. Surgeon, U. S. Navy, U. S. Navy Yard, Mare Is., Cal.

Allen Kramer Krause, A. B., Brown, 1901, and A. M., 1902, and Graduate Student, 1902-03; Asst. and Instr. in Pathol., 1907-09.—Asst. Saranac Lab. for Study of Tuberculosis, Saranac Lake.

Sally Porter Law (Mrs. Alexius McGlannan), A. B., Bryn Mawr, 1903.—Baltimore.

Bethuel Boyd Vincent Lyon, A. B., Williams, 1903; Res. Physician, German Hospital, Phila., 1907-09; Dmnr. in Med., Jeff. Med. Sch., 1909-10. — Pathol. Methodist Hosp.; Asst. Pathol. German Hosp.; Asst. Phys. Med. Disp., Univ. Penna., and Physician, Philadelphia.

Perry William McLaughlin, A. B., Pennsylvania Coll., 1903.—Physician, Newville, Pa.

Edward Fall Malone, A. B., Vanderbilt, 1903; Clin. Asst. Sheppard-Pratt Hosp., Towson, 1907; Student, Berlin, Germany, 1907-10. —Asst. Prof. of Anat., Univ. of Cincinnati, O.

Norris Gray Orchard, S. B., Fargo Coll., 1903; Interne, Rochester Genl. Hosp., Rochester, N. Y., 1907-08.—Member Jr. Med. Staff, Rochester Gen. Hosp.; Asst. Chief-of-Staff, Infants' Summer Hosp., and Physician, Rochester.

Fred Thomas Owens, A. B., Hamilton, 1903, A. M., 1906; House Physician City Hospital, N. Y., 1907-08.—Surg. to Genl. and St. Elizabeth's Hospitals; Physician to Tb. Disp., and Physician, Utica, N. Y.

Charles Benjamin Palmer, A. B., Harvard, 1901; Med. Interne, Manhattan State Hosp. (6 mos.), Interne, N. Y. Post Graduate Hospital, 1908-10; Physician, Las Chispas Mine, Sonora, Mexico, 1910-11.—Physician, Phoenix, Ariz.

William Turner Parsons, A. B., 1903.—Sr. Res. Balt. Eye, Ear and Throat Charity Hosp., Balt.

William Otto Pauli, A. B., Cincinnati, 1902; Asst. Biol., 1902-03; Resident House Officer, 1907-08.—Instr. Obstet.; Dmnstr. in Clin. Mispy., Ohio-Miami Med. Coll., and Physician, Cincinnati.

George Peirce, A. B., Haverford, 1903; Resident Physician, Dr. Grenfell's Hospital, St. Anthony, Newfoundland, 1907; Res. Physician, Penna. Hosp., Phila., 1908-09.—Graduate Student, Berlin, Germany.

Eugene Leo Pessango, A. B., 1903; Interne, St. Joseph's Hosp., 1907-1908; Asst. in Med., 1908-09.—Physician, Baltimore.

Harry Ward Plaggemeyer, A. B., 1903; Interne, King's County Hosp., Brooklyn, N. Y., 1907-09; Res. Surg., St. Mary's Hosp. for Children, N. Y., 1909-10.—Asst. Res. Surg. G. U. Dept., J. H. H.

Paul Preble, A. B., Bowdoin, 1903; Res. Surg., St. Agnes' Hosp., Baltimore, 1907-08. — Asst. Surg., U. S. P. H. & M. H. S. Chief Miscellaneous Div., Bureau P. H. & M. H. S., Washington, D. C.

Alexander Randall, A. B., St. John's, 1902; and M. A., 1907; Graduate Student, 1902-03; Interne, German Hospital, Philadelphia, 1908-09; Asst. to Dr. Young, Balt., 1909-10; Asst. Res. Surg., 1910-11. — Asst. Pathol., Children's Hosp.; Asst. Surg., G.-U. Disp., U. of Pa., and Physician, Phila.

Daniel Pattee Ray, A. B., Dickinson, 1903, A. M., 1908; Res. Physician, McKeesport Hospital, Pa., and West. Penna. Hosp., Pittsburg, 1907-08. — Pathol. and Asst. Visit. Phys., Conemaugh Valley Mem. Hosp., and Physician, Johnstown, Pa.

Clarence Adair Rhodes, A. B., Randolph-Macon, 1903; Interne, St. Vincent's Hospital, N. Y., 1907-08; Interne, Willard Parker Hosp. (3 mos.); Res. Phys., N. Y. Foundling Hosp., 1909-10; House Phys. (St. John's Guild), Sea Side Hosp., New Dorp, S. I., N. Y., 1910-11.—Adj. Prof. Med. & Thera., Atlanta Coll. P. & S., and Physician-in-Chief, Wesley House Free Clinic for Children; Physician-in-Chief, Florence Home for Children; Attend. Phys. City Hosp. Contagious Diseases, Florence Crittenden Home, and Physician, Atlanta, Ga.

Charles Woodward Riley, A. B., 1903; Interne, The Woman's Hosp. of the State of N. Y., N. Y. City, 1907-08; Interne, Riverside Hosp., N. Y., and Kingston Ave. Hosp., Brooklyn, 1908-09.—Physician, Baltimore.

Mary Jane Ross, A. B., Cornell, 1898, and Ph. D., 1902; Woman's Med. Coll. of Penna., 1898-99; A. M., Pennsylvania, 1900; Interne, The Babies' Hospital, New York, June-Oct., 1907; Res. Pathol., St. Luke's Hosp., New Bedford, Mass., 1907-09. — Physician, Binghamton, N. Y.

Edgar Poe Sandrock, A. B., 1903; Res. Physician, St. Agnes' Hosp., Balt., 1907-09; Res. Phys., "Camp Greenbrier," Alderson, W. Va. (Summer), 1909. — Differentiator, J. H. Disp., and Physician, Baltimore.

Hiram Sibley Schumacher, Ph. B., Rochester, 1903; House Officer, Rochester Homeopathic Hosp., N. Y., 1907-08.—Med. Dispen., Rochester Homeo. Hosp. and Physician, Rochester.

Raymond Brown Scofield, S. B., Rochester, 1902; Asst. Surg. U. S. Pub. Health and Marine Hosp. Service, Stapleton, S. I., N. Y., 1907-09; Asst. and House Surg. J. Hood Wright, Mem. Hosp., N. Y., 1908-09.—Med. and San'y Advisor Riverdale Health League, N. Y. C.; Phys. Yonkers Tub. Hosp. & Disp.; Asst. Phys., Sherman Mem. Disp., and Physician, Yonkers, N. Y.

Will Farquhar Shallenberger, A. B., Washington and Jefferson, 1903, and A. M., 1912; Res. House Officer, 1907-08; Asst. Res. Physician, 1908-09; Asst. Res. Gynecologist, 1909-10; Res. Surg. Hosp. for Women of Md., 1910-11.—Chief Cystoscopic Clin. Flor. Crittenden Home; Consult. Gyn., Hosp. Nerv. Dis.; Gyn., Moore Mem. Presby. Free. Disp. and Clinic; Asst. in Clin. Gyn. and Obstet., Atlanta Coll. P. & S., and Gynecologist, Atlanta, Ga.

George Arthur Smith, A. B., Yale, 1903; Interne, The Hartford Hosp., 1907-08.—Physician, Stepwey, Conn.

Joseph Tate Smith, Jr., A. B., 1903; Res. House Officer and Asst. Res. Obstetrician, 1907-09; Res. Gynecol., Lakeside Hosp., Cleveland, 1909-10. — Clin. Asst. in Gyn. West. Reserve, and Physician, Cleveland.

Charles Granville Souder, S. B., Ohio State, 1903.—Pathol., St. Vincent Hosp., and Physician, Toledo, O.

Charles Henry Stubenrauch, A. B., 1903; Asst. Res. Physician, Church Home and Infirmary, Baltimore, 1907-08; Asst. in Med., 1908-10.—Physician, Havana, Ill.

Charles Henry Turkington, Ph. B., Yale, 1903; Interne, Hartford Hosp., Conn., 1908-09.—Physician, Litchfield, Conn.

Percy Theodore Watson, A. B., Carleton, 1903; Resident House Officer, 1907-08. — Med. Missionary, Fen-chofu, Shansi, China.

William Henderson White, A. B., Dickinson, 1903; Interne, Paterson General Hospital, N. J., 1907-08; Interne, Riverside Contagious Hosp., North Bros. Is., N. Y., 1908-09; Hosp. Phys.., N. Y. City Board of Health, Otisville Sanatorium, Otisvile, N. Y.

Milton Charles Winternitz, A. B., 1903; Fellow Asst. and Instr. in Pathol, 1907-10. — Assoc. in Pathology and Asst. Res. Pathologist; Pathol., Bay View.

George Burton Gilbert, A. B., Yale, 1903; Interne, Hartford Hosp. (Mar. to June), 1908; Res. Phys. Cragmor Sanatorium, Colorado Spgs., 1909-10. — Director Webb Tb. Research Lab.; Visit. Phys. Sunnycrest Sanatorium, and Physician, Colo. Spgs., Colo. (*Degree granted Feby.* 22, 1908.)

George W. Hartman, S. B., California, 1903; Res. Physician, The French Hosp., N. Y., 1907-08; House Surg., Flushing Hosp., Flushing, N. Y., 1908-09. —Physician, San Francisco, Cal. (*Degree granted February* 22, 1908.)

Carroll Dunham Partridge, S. B., Vermont, 1900; Instr., Chicago Summer qrs., 1904-05; Asst. Cornell, 1900-02; Carnegie Research Asst. in Organic Chem., 1907-08; Pathol., Thos. Wilson Sanitarium, Md., 1907-08; Pathol., State Infirmary, Tewksbury, Mass., 1908-10; Path. House Officer, Albany Hosp. and Asst. in Path., Albany Med. Sch., Albany, N. Y., 1910-11. — Prof. Pathol. and Bact., Univ. Ga. Med. Coll., Augusta. (*Degree granted Feby.* 22, 1908).

Clarence Albert Shore, S. B., North Carolina, 1901, M. S., 1902, and Med. Dept., 1903-04. — Director State Lab. Hygiene, Raleigh, N. C. (*Degree granted January* 6, 1908.)

Lucius Tuttle, A. B., Yale, 1901; Microscopist Univ. Hosp. Disp., 1907-09; Asst. Dmnr. Pathol., Univ. of Penna., 1908-10. — Dmnr. Physiol., Jefferson Med. Coll. and Physician, Philadelphia. (*Degree granted April* 1, 1907.)

Udo Julius Wile, A. B., Columbia, 1904, and Med. Dept., 1903-04; Vol. Asst. Dermatol. Clinic, Berlin, 1908-09; Chief Clinic in Dermatol. and Syphilis, Beth Israel Hosp.; Attend. Dermatol. Hebrew Infant Asylum; Instr. Dermatol. and Syph. P. G. Med. Sch. and Hosp., and Physician, N. Y., 1909-12.—Prof. Dermatol. and Syphiol., Univ. Mich., Ann Arbor. (*Degree granted January* 6, 1908).

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1908

Solomon J. Appelbaum, A. B., Rochester, 1904; Interne, West. Penna. Hosp., Pittsburgh, 1908-09.—Asst. Phys. Genl. Hosp., and Physician, Rochester, N. Y.

Joseph Robson Bromwell Branch, A. B., 1904; Res. House Officer, 1908-09; Med. Supt., The Mecon Hosp., Macon, Ga., 1909-10.—Attend. Gynecol. to Macon Hosp. and Physician, Macon, Ga.

Addison Gorgas Brenizer, Jr., A. B., North Carolina, 1904; Krebs Inst., Heidelberg, Summer 1907; Interne, Univ. of Heidelberg, Germany, 1908-09; Res. Surgeon in charge Amer. Hosp., Paris, 1909-11.—Surgeon, Charlotte, N. C.

James Stewart Brotherhood, S. B., Dartmouth, 1904; Res. House

Officer, 1908-09; Asst. Res. Physician and Asst. in Med., 1909-10; Res. Physician, Sydenham Hosp., Balt., 1910-11.—Res. Phys. Wash. Univ. Hosp., and Asst. in Med. Washg. Univ., St. Louis. Mo.

Carl Herbert Bryant, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908 - 09. — Physician, Independence, Mo.

Jonathan Edward Burns, Jr., A. B., Virginia, 1904; Interne, Union Protestant Infirmary, Baltimore, 1908 - 09. — Physician, Wheeling, W. Va.

Christian Frederick Carstens, A. B., Lake Forest, 1901; Interne, City Hospital, N. Y., 1908-09. — Physician, Keewatin, Minn.

Ralph DeBallard Clarke, A. B., N. Y. Univ., 1904; Interne, Post-Grad. Hosp., N. Y., 1908-10; House Phys. Home for Convales. Babies, Sea Cliff, L. I., N. Y., 1910-11; Res. Surg. Nances Cay Hosp., Bocas del Toro R. de Panama, 1911-12.—Physician, West Haven, Ct.

Jean Valjean Cooke, A. B., West Virginia, 1903, and Yale, 1904; Harvard Med. Sch. (Summer), 1906; Instr. Pathol., Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-10; Res. Pathol. Penna. Hosp., Phila., 1910-11; Instr. Pathol., Tulane Univ., and Jr. Pathol., Touro Infirm, New Orleans, La., 1911-12.—Prof. Pathol. and Dir. Lab. Animal Exp., Univ. of Calif., and Pathol., Univ. Hosp., San Francisco.

Edward Vincent Coolahan, A. B., Rock Hill, 1903.—Res. Phys., St. Vincent's Hosp., N. Y.

Frederick Aloysius Coughlin, A. B., Brown, 1904.—Interne, City Hosp., Boston.

Samuel James Crowe, A. B., Georgia, 1904; Assistant in Surgery (H. L.), 1908-09; Asst. Res. Surg. and Asst. in Surg., 1909-12.—Assoc. in Surg.

Edward Adams Deming, Ph. B., Yale, 1904; Interne, N. Y. Health Dept. to Jan. 1, 1909; Interne, Hartford Hosp., Conn., 1909-10. —Physician, Hartford.

*Henry Strong Denison, A. B., Cornell, 1905; Interne, Mass. Gen. Hosp., Boston, 1908 - 09. — Director, St. Luke's Hosp. Lab.; Instr. in Med., Univ. of Colo., and Physician, Denver. (Died August 24, 1912).

William Reuben S. Denner, A. B., Penna. Coll., 1904, and A. M., 1907; Interne, West. Penna. Hosp., Pittsburg, 1908-09; Asst. in Clin. Pathology, Univ. Pittsburgh, 1909-10; Res. Pathol., St. Francis' Hosp., Pittsburgh, 1910-12.—Physician, Manchester, Md.

Herman Ferdinand Derge, A. B., Wisconsin, 1904; Resident House Officer, 1908-09.—Physician, Eau Claire, Wis.

Robert Uriel Drinkard, S. B., Virginia Polytech., 1904. — Interne, Nursery and Child's Hosp., N. Y.

William Waddell Duke, Ph. B., Yale, 1904; Res. House Officer, Mass. Gen. Hosp., Boston, 1908-10; Grad. Student, Vienna and Tubingen, 1910-11.—Physician, Kansas City, Mo.

Herbert McLean Evans, S. B., California, 1904; Med. Dept., 1904-05; Assistant Instr. and Assoc. in Anatomy, 1908-12.—Associate Professor.

James Thomas Flanagan, A. B., Mt. St. Mary's, 1903, and A. M., 1905; Grad. Student, 1903-04; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1908-10.—Adj. Vis. Obstet., Kings Co. Hosp.; Clin. Asst. Surg. L. I. Coll. Hosp., and Physician, Brooklyn, N. Y.

James Richard Frow, A. B., Lafayette, 1904; Grad. Student, Wisconsin, Summer 1905; Interne, Wilkes-Barre City Hosp., Pa., 1908 - 09. — Asst. Surg. Southern Branch Natl. Home for Disabled Volun. Soldiers, Natl. Soldiers Home, Va.

Ralph Ottomar Fuerbringer, A. B., 1904; Res. House Officer, 1908-09; Asst. Surg. Clinic, Univ. of Marburg, 1910-11. — Asst. Surg. Clin. Univ. Koenigsberg.

Randolph Macon Grimm, A. B., Randolph-Macon, 1902, and A. M., 1903; Bacteriol., State Lab. Hygiene, Raleigh, N. C. (Oct., 1908). —Asst. Surg., U. S. P. H. & M.-H. Service, Savannah, Ga.

William Edward Grove, A. B., Wisconsin, 1904; Instr. in Pharmacol., Univ. of Wisconsin, Madison, 1908-09; Res. Phys., Clifton Spgs. Sanitarium, N. Y., 1909-11. — Student in Berlin.

Frederick Fretageot Gundrum, A. B., Leland Stanford, 1903; Res. House Officer, 1908-09; Dmnr. in Anat., Univ. of Pittsburgh, and Res. Surg., St. Francis' Hosp., Pittsburgh, 1909 - 10. — Consult. Phys. Sacramento Co. Hosp.; Dir. N. Calif. Bch. State Hygienic Lab. and Phys., Sacramento, Cal.

Sylvan Lewis Haas, S. B., California, 1904; Res. Pathologist, Lakeside Hosp., Cleveland, 1908-10; Interne, Lane Hosp., 1909-10.—Physician, San Francisco, Cal.

Frederic Moir Hanes, A. B., North Carolina, 1903; A. M., Harvard, 1904; Student, Leipzig and Freiburg, 1905-06; Res. House Officer, 1908-09; Assoc. in Pathol., Coll. P. & S., Columbia, and Assoc. Vis. Pathol. Presbyterian Hosp., N. Y., 1912 - 13. — Asst. Res. Phys., Rockefeller Hosp., N. Y.

Henry Hanson, A. B., So. Dakota, 1902; Asst. Chem. Lab., 1902-

04; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Pathol. Trinity Hosp. and Assoc. Prof. Pathol., Milwaukee Med. Sch., Wis., 1908-09; Prof. Clin. Micpy. Wis. Coll. P. & S., 1909.—Director, Bact. Lab. State Board of Health, Jacksonville, Fla.

Paul Wilberforce Harrison, A. B., Nebraska, 1905, and Med. Dept., 1903-05; Interne, Mass. Gen. Hosp., Boston, 1908-09.—Med. Missionary, Kuwait, Arabia, via Bombay.

William Harry Higgins, A. B., Central (Ky.), 1904; Interne, Allegheny Gen. Hosp., Pa., and Res. House Officer, 1908-09; Asst. Res., Clifton Spgs. Sanitarium, N. Y., 1909-11.—Instr. in Pract. of Med., Univ. Coll. of Med.; Attend. Phys., Hygeia Hosp., and Physician, Richmond, Va.

Miner Clifford Hill, S. B., Princeton, 1904; Instr. in Pathol., N. Y. Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-09; Interne, St. Luke's Hosp., N. Y., 1909-10. Res. Pediatrist, Bellevue Hosp., and Physician, N. Y.

Charles Augustus LaMont, A. B., Yale, 1905; Interne, Hudson St. Hosp., N. Y., 1908-10.—Pathol. Aultman Hosp. and Physician, Canton, O.

Wilbur Leslie LeCron, A. B., 1904, Student, Leipzig and Freiburg, 1905-06; Interne, Hartford Hosp., Conn., 1908-10.—Pathol. and Res. Surg., Columbia Hosp., and Surg., Milwaukee, Wis.

Edward Emanuel Lindeman, Ph. B., Yale, 1905; Act. Asst. Surg. U. S. Pub. Health and Marine Hosp. Service, N. Y. (3 mos.); Asst. in Pharmacol., Univ. Mich., Ann Arbor, 1908-09; Director, Tampa Lab. State Board Health, Fla., 1909-10.—House Officer, Children's Hosp., Boston.

Janvier Whitton Lindsay, A. B., Columbia, 1904; Interne and Chief Res. Phys., Garfield Mem. Hosp., Washington, D. C., 1908-12.—Physician, Washington, D. C.

Harry Walter Masenhimer, A. B., St. John's, 1904; Interne, Presbyterian Hosp., Pittsburg, 1908-09.—Res. Surg., Lakeside Hosp., Cleveland.

Charles Henry May, A. B., Penna. Coll., 1904; Resident Physician, Presbyterian Hosp., Pittsburg, 1908-09.—Physician, York, Pa.

Robert William Bainbridge Mayo, A. B., Maryland Agricult., 1903, and M. S., 1904; Supt. Gulf Coast Sanatorium, Miss., 1909-10; Asst. Res. Church Home & Inf'y, 1910-11; Res. Surg. Hosp. for Women of Md., 1911-12.—Physician, Baltimore.

James Alphonsus McCann, Ph. B., Brown, 1904; Interne, R. I. Gen. Hosp., Providence, 1907-09; Physician, Providence.

Roy Donaldson McClure, A. B., Ohio State, 1904; Grad. Student, Prague, 1906; House Surg., New York Hosp., N. Y., 1909-12.—Asst. Res. Surg. and Asst. in Surg.

Patrick Joseph McDonnell, Ph. B., Wesleyan (Ct.), 1904; Interne, King's Co. Hosp. (to Oct. 15, 1908); Interne, Providence Hospital, Washington, D. C. (to Mar. 1, 1910); Asst. Res. Manhattan Maternity Hosp., N. Y. (to June 1, 1910); Asst. Res. Seaside Hosp. S. I., N. Y. (to July 1, 1910).—Physician, Tonopah, Nev.

Charles Wilson Mills, A. B., Williams, 1902; Res. House Officer, 1908-09.—Asst. Physician, Loomis Sanatorium, Loomis, N. Y.

Warren Pearl Morrill, Ph. B., Michigan, 1898; Med. Dept. Illinois, 1904-05; Interne, Children's Free Hosp., Detroit, 1908-09; Resident Physician and Supt., Sydenham Hosp., Baltimore, 1909-12.—Supt. Winnipeg Gen. Hosp., Manitoba.

Grover Cleveland Ney, A. B., Mt. St. Joseph's, 1904, and A. M., 1908; Med. Supt. Hebrew Hosp., 1908-12.—Visit. Surg., *ibid.*, and Physician, Baltimore.

James Harry Oppenheimer, A. B., Harvard, 1904; Res. House Officer, 1908-09; European Clinics, 1909-10.—Physician, Philadelphia.

Robert Sheffey Preston, A. B., Hampden-Sidney, 1903; A. M., Princeton, 1904.—Interne, Bellevue Hosp., N. Y.

Frederick Sylvanus Ray, S. B., California, 1904; Res. House Officer, 1908-09; Asst. Res. Surgeon and Externe in Gynecol., 1909-11.—Physician, Los Angeles, Cal.

Lillian Emeline Ray, A. B., Leland Stanford, 1897, and A. M., 1901; Interne, The Hosp. for Women and Children, Syracuse, N. Y., 1908-09; Interne, Rochester State Hosp., N. Y., 1909.—Physician, San Jose, Cal.

Alfred Joseph Ridges, Jr., S. B., Utah, 1900.—Physician, Salt Lake City, Utah.

Hamilton Rinde, A. B., N. Dakota, 1902.—Asst. Phys., Conn. Hosp. for Insane, Middletown.

James Lee Robinson, A. B., Texas, 1904; Summer Session, Harvard Med. Sch., 1906; Res. Pathol., Mass. State Hosp., Summer, 1908; Resident House Officer, 1908-09; Surg. Roanoke Rapids (N. C.) Mills Co., 1909; Contract Surg., U. S. Army, 1910; 1st Lt. Med. Reserve Corps, U. S. Army, and Army Med. Sch., Washington, D. C., 1910-11.—1st Lt. Med. Corps, U. S. Army, San Antonio, Texas.

James Isaac Scarborough, A. B., Princeton, 1904. — Res. Surg., Union Protestant Infirmary, Baltimore.

Laurence Selling, A. B., Yale, 1904; Res. House Officer, 1908-09; Fellow in Pathol. (Rockefeller-Grant), 1909-10.—Physician, Portland, Ore.

Harry Philip Shugerman, A. B., Howard Coll., 1901; Columbia, 1902-04; Interne, U. P. I., Balt. (3 mos.); Army Med. Sch., Washington, D. C., 1909-10.—Visit. Phys., Hillman Hosp., and Physician, Birmingham, Ala.

Roland Leighton Stacy, A. B., Dickinson, 1904, and A. M., 1907; Res. House Officer, 1908-09; House Surg. Ogdensburg City Hosp., N. Y., 1909-10.—Physician, Ogdensburg, N. Y.

William M. Thalhimer, S. B., Richmond, 1903; Summer sessions, Cornell, 1902 and 1903; Interne, Mt. Sinai Hospital, and Physician, N. Y., 1908-10; Instr. in Pathol., Univ. of Va., Charlottesville, 1910-11.—Fellow in Pathol., Mt. Sinai Hosp., and Physician, N. Y.

Albert Agnew Thomas, A. B., Indiana, 1904; Interne, Allegheny General Hosp., Pa., 1908-09.—Physician, Linton, Ind.

Dwight Wallace Tracy, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-09.—Physician, Hartford, Conn.

Cecil Woods Vest, S. B., Iowa Coll., 1904; Externe in Gynecol., 1908-09; Asst., Dr. Kelly's Sanitarium, 1909-10; Asst. Res. Gynecol., 1910-12.—Res. Gynecol and Instr.

James Homer Wilson, Ph. B., Lafayette, 1904; Interne, Gouverneur Hosp., N. Y., 1908-09; Med. Corps, U. S. Army, Washington, D. C., 1911-12.—Phys. for Allegheny Co. and Vis. Phys. West. Md. Hosp., and Physician, Cumberland.

Joseph Kent Worthington, A. B., Haverford, 1903; Interne, Roosevelt Hosp., N. Y., 1908-09.—Assoc. Attend. Physician, Nassau Hosp., and Physician, Roslyn, L. I.

Webster Kimball Clark, Ph. B., Yale, 1904.—Pathol. Franklin Co. Hosp., and Physician, Greenfield, Mass. (*Degree granted April* 5, 1909.)

Frank Gibson Porter, A. B., 1904; Pathol., Dr. Brown's Private Hosp., and Asst. Pathol. Mountainside Hospital, Montclair, N. J., 1908-09.—Physician, Baltimore. (*Degree granted March* 1, 1909). (63)

1909

Charles Robert Austrian, A. B., 1904; Resident House Officer, 1909-10.—Asst. in Medicine and Asst. Res. Physician in Chg. Lab., Phipps Disp.

Walter Albert Baetjer, A. B., 1905; Resident House Officer, 1909-10; Asst. in Medicine and Asst. Res. Physician, 1910-11; Res. Phys., City Hosp., Bay View, 1911-12.—Asst in Med. & Asst. Res. Physician.

James Alvin Bass, A. B., 1905.—Asst. Surg., Flagship "New York," Asiatic Sta., via San Francisco, U. S. Navy.

Julian Lee Birdsong, S. B., Nashville, 1899; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Hartford, Conn.

Samuel Walthall Budd, A. B., Hampden-Sidney, 1904; Graduate Student, 1904-05; Resident House Officer, 1909-10. — Pathol. Nflk. Protest. Hosp.

Montrose Thomas Burrows, A. B., Kansas, 1905; Asst. Rockefeller Inst. for Med. Research, N. Y., 1909-11.—Instr. Anat., Cornell, N. Y.

Bender Zelotes Cashman, A. B., Pennsylvania Coll., 1905; Interne, West Penna. Hosp., Pittsburgh, 1909-10; Res. Surg., St. Francis' Hosp., Pittsburgs, 1910-12.—Physician, Lafayette, Ind.

Arthur Bond Cecil, A. B., St. John's, 1905; Late Asst. Surg., U. S. Navy, 1909-10; Grad. U. S. Naval Med. School, 1910; Asst. Surg., N. Y. Naval Hosp., 1910; Asst. to Dr. Young, 1911-12.—Asst. Res. Surg.

Florence Chapman Child, A. B., Bryn Mawr, 1905; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1909-10; Interne, Babies' Hosp., N. Y., 1911.—Clin. Asst. Gyn. and Pediatrics, Women's Hosp. of Phila., Asst. Kensington Disp. for Tub., and Physician, Philadelphia.

Walter Francis Cole, S. B., Clemson, 1902; A. B., North Carolina, 1905; Surgeon, Greensboro, N. C.

Harry Lewis Connett, Ph. B., Ohio Univ., 1905.—Physician, Dr. Hyde's Private Hosp., Nelsonville, O.

Jennings Crawford, Ph. B., Coe, 1905; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Cedar Rapids, Ia.

James Watson Williams Dimon, A. B., Williams, 1905; House Physician, Faxton Hosp., Utica, N. Y., 1909-10.—Physician, Utica, N. Y.

John Roscoe Elliott, A. B., Western Maryland, 1905. — Interne and Asst. Supt., R. I. Genl. Hosp., Providence, 1909-12. — Physician, Laurel, Del.

Max Emmert, A. B., Iowa, 1905.—Physician, Atlantic, Ia.

Charles Rhein Essick, A. B., Yale, 1905; Asst. and Instr. in Anat., 1909-12.—Assoc. in Anatomy.

William Lawrence Estes, Jr., A. B., Lehigh, 1905; Resident House

Officer, 1909-10; Asst. in Mayo Clinic, Rochester, Minn., 1910-12. Chief Staff, St. Luke's Hosp., and Physician, So. Bethlehem, Pa.

Thomas Ludlow Ferenbaugh, A. B., Kenyon, 1905; Graduate, Army Med. Sch., Wash., D. C., 1910.—1st Lieut. Med. Corps, U. S. Army, Fort Sill, Okla.

Arthur Oscar Fisher, A. B., Wisconsin, 1905; Resident House Officer, 1909-10; Asst. Res. Surgeon, 1910-11.—Asst. in Surg., Washington Univ., and Res. Surg., Washington Univ. Hosp., St. Louis.

H. Quigg Fletcher, A. B., Georgia, 1904; Resident House Officer, 1909-10; Asst. Res. Surg., U. P. I., Balt., 1910-11.—Visit. Phys., Baroness Erlanger Hosp., and Physician, Chattanooga, Tenn.

Ernest Robert Gentry, A. B., Kansas, 1905, and Med. Dept., 1905-1906; Army Med. Sch., Washington, D. C., 1909-10; Lab. Surg. Gen. Office, Wash., Summer, 1910; 1st. Lieut. Med. Corps, U. S. Army, Ft. Leavenworth, Kans., 1910-11.—Mbr. U. S. Army Bd. for Study Trop. Diseases, and 1st Lieut. Med. Corps, U. S. Army, Manila, P. I.

Ethel Mathews Girdwood (Mrs. George Peirce), A. B., Bryn Mawr, 1903.—Europe.

Emil Goetsch, S. B., Chicago, 1903, and Ph. D., 1906; Fellow, Asst. and Assoc. in Anat., *ibid,* 1904-08; Research Asst., Dept. of Exp. Therapeut., *ibid,* 1908 and 1909; Assistant in Surg. (H. L.), 1909-10; Asst. Res. Surgeon, 1910-12.—Res. Surg., Peter Bent Brigham Hosp., Boston.

William Ernest Hart, S. B., Washington & Jefferson, 1905; House Gynecol., Roosevelt Hosp., N. Y., 1909-11; Interne, Manhattan Maternity Hosp., 1911.—Tuxedo Hosp., Tuxedo, N. Y.

Thomas William Harvey, Jr., S. B., Princeton, 1905; Interne, Presbyterian Hosp., N. Y.; Surg. N. Y. Lying-in Hosp. (to Jan., 1912).—Anaest. Orange Mem. Hosp. and Essex Co. Ortho. Hosp. and Physician, Orange, N. Y.

Philip Charles Jeans, A. B., Kansas, 1904; Interne, Hartford Hospital, Conn., 1909-10; Interne, Children's Hosp., Boston, 1910-11.—Interne, Boston, Floating Hosp. (to Sept., 1911.)

Charles Rawson Kingsley, Jr., S. B., New York Univ., 1905; Resident House Officer, 1909-10.—Pathol., St. Vincent's Hosp. and S. R. Smith Infirm.; Asst. Bact., N. Y. Quarantine Sta., and Physician. West New Brighton, N. Y.

Baldwin Mann, A. B., Williams, 1905; House Officer, N. Y. City Hosp., 1909-10.—Bact., Roosevelt Hosp., and Physician, N. Y. City.

Fred Marlin Meader, S. B., Wesleyan (Conn.), 1902, and M. S., 1905.—Assoc. Prof. Preventive. Med. and Dir. Lab. Public Health; City Bacteriol., Med. Dept. Univ. Syracuse, N. Y.

Philip Ball Moss, S. B., Central (Ky.), 1905; Interne, Union Prot. Infirmary, 1909-10. — State Pathol., Montgomery, Ala.

James B. Murphy, S. B., North Carolina, 1905; Med. Interne, Pathological Inst., Ward's Is., N. Y., 1909-10. — Asst. in Path. and Bact., The Rock. Inst. for Med. Res., New York.

Patrick Ireland Nixon, A. B., Texas, 1905; Resident House Officer, 1909-10; Asst. Res. Surg., 1910-11.—Surgeon, San Antonio, Texas.

George Rupp Pretz., S. B., Penna. Coll., 1905, and M. S., 1908.—Physician, Lebanon, Pa.

Solomon W. Schaefer, A. B., Washington & Lee, 1904; Resident House Officer, 1909-10. — Gyn. County Hosp. and Surg. Attend. Free. Disp., and Physician, Portland, Ore.

Andrew Watson Sellards, A. B., Kansas, 1903, and A. M., 1904; Instr. Tropical Med. and Asst. Res. Phys., Philippine Genl. Hosp., and Asst. to Bureau of Science, Manila, P. I., 1909-11. — In Chg. Chem. Div. Med. Clinic.

Thomas Peck Sprunt, A. B., Davidson, 1903; Asst. and Instr. in Pathol., 1909-12.—Assoc. in Pathol. and Asst. Res. Physician.

James Russell Stewart, A. B., Lake Forest, 1905; Interne, New Haven Hosp., Conn., 1909-11.—Physician, Logansport, Ind.

Edward Wentz Stick, A. B., Franklin & Marshall, 1904; House Officer, M. E. Hospital, Philadelphia, 1909-10; Chief Res. Phys. Kensington Hosp. for Diseases of Women, Phila., 1910-11. — Physician, Hanover, Pa.

Herbert Sedgefield Thomson, S. B., California, 1904; House Officer, New York Hospital, 1909-11.—Phys., Public Athletic League and Physician, Baltimore.

*Charles Edward Trotter, S. B., N. C. Coll. Agricult. & Mechanic Arts 1903; Grad. Student, 1904-05.—Act. Asst. Surg., U. S. Navy. (Drowned August, 1909).

Robert Lester Waite, Ph. B., Yale, 1905; Interne, the Hartford Hosp. (Summer of 1908); Clin. Asst. South Balt. Eye, Ear and Throat Charity Hosp., 1909-10.—Asst. Ophthalmic and Aural Surg., Hartford Hospital, and Physician, Hartford, Conn.

Isaac Chandler Walker, A. B., 1905; Med. House Officer, Carney Hosp., Boston, 1909-11; Lecturer, Clin. Micpy. and Phys. Diag., Univ. of Ia., Iowa City, 1911-12; Grad.

Student, Freiburg, 1912. — Asst. Res. Phys., Peter Bent Brigham Hosp., Harvard.

William Glenn Wallace, S. B., Hanover, 1905; Interne, New Haven Hosp., Conn., 1909-11. — Physician, Mattoon, Ill.

Duncan Cameron Walton, A. B., St. John's, 1905.—Asst. Surg., U. S. Navy, U. S. S. Scorpion, Constantinople, Turkey.

Leon Harlan Watkins, A. B., Southern, 1903, and A. M., 1905; Resident House Officer, 1909-10.—Asst. Res. Gynecol.

Charles Wallace Webb, S. B., Arkansas, 1905; Resident House Officer, 1909-10; Res. Surg. Clifton Spgs. Sanitarium, N. Y., 1910-12.—Asst. Res. Physician.

Arthur James Wiesender, A. B., Ripon, 1905; Resident House Officer, 1909-10. — Physician, Green Lake, Wis.

Gustav Herman Woltereck, A. B., 1905; Asst. Phys., Balt. City Jail, 1909-10; Asst. Physician, Maryland Penitentiary, 1910-12.—Physician, Baltimore.

Walter Simrall Wyatt, S. B., Alabama, 1904, and M. S., 1905; Med. Interne, Lakeside Hosp., Cleveland, 1909-11. — House Officer, Boston City Hosp., Boston.

Iva Catherine Youmans, A. B., Converse, 1897; N. Y. Univ. Summer Sch., 1904; Interne, N. Y. Infirmary for Women and Children, 1909-10. — Asst. Bacteriologist State Bd. Health, Jacksonville, Fla.

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*Thomas Patrick Coan, A. B., Mt. St. Joseph, 1903; Interne, St. Francis' Hosp., N. Y. (*Degree granted March* 7, 1910.) Died February 2, 1912.

Ernest Cooper, A. B., South Carolina, 1900; Pathol. and Bact., State Hosp. for Insane, and Physician, Columbia, S. C. (*Degree granted January* 3, 1910.)

*Julia Maria Torrey, A. B., Boston Univ., 1888; Med. Student, Michigan, 2 years; Interne, N. Y. Infirmary for Women and Children, Jan. to May, 1911. (*Degree granted January* 3, 1910.) (Died May, 1911.)

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1910

Mary Dayton Allen, A. B., Mt. Holyoke, 1905; Resident House Officer, 1910-11. — Res. Physician, The Woman's Hospital, Hamadan, Persia.

Edward McPherson Armstrong, A. B., Princeton, 1904 Rhodes Scholar, Oxford, 1905-08, and B. Sc., 1908.—Surg. House Officer, New York Hospital.

Moses Haven Baker, S. B., Purdue, 1905.—Interne, St. Francis' Hospital, Pittsburgh.

Henry Gray Barbour, A. B., Trinity (Conn.), 1906; Fellow in Pathology, 1910-11; Research Student, Freiburg, Germany, 1911, and Vienna, 1912.—Asst. Prof. Pharm., Yale Med. Sch., New Haven, Ct.

Emil Boehm, S. B., St. Louis University, 1906.—Interne, Bellevue Hospital, N. Y.

William Symington Bole, S. B., Montana Agricult., 1906.—Physician, Great Falls, Mont.

Carl Ferdinand Bookwalter, S. B., Purdue, 1900.—Interne, Kingston Ave. Hosp., Brooklyn, N. Y.

Ethan Flagg Butler, A. B., Princeton, 1906; Volun. Med. Asst. Labrador Med. Mission, Summers 1908, 1909 and 1910.—1st Surg. Asst. Mayo Clinic, Rochester, Minn.

Walter Austin Calihan, A. B., Rochester, 1906.—Res. Surgeon, St. Agnes' Hospital.

Ross Stagg Carter, A. B., Leland Stanford Jr., 1905. — Physician, San Diego, Cal.

Thomas Rodney Chambers, A. B., 1906; Interne, Mercy Hospital, 1910-11.—Physician, Balt.

Joseph Lynn Choate, A. B., Leland Stanford Jr., 1906; A. M., Southern Calif., 1907, and Med. Student, 1906-08; Cooper Medical Coll., 1907.—Phys. Child. Hosp., Los Angeles, 1910-11.—Med. Staff, Columbia Hosp. and Physician, Los Angeles.

Claude Carr Cody, Jr., A. B., and A. M., Southwestern, 1904, and 1905; Student of Medicine, 1905-07.—Interne, Bellevue Hospital, New York.

Haskett Lynch Conner, A. B., DePauw, 1906; Interne, Church Home and Infirmary, 1910-11.—Physician, Corning, O.

Henry Theodore Collenburg, A. B., 1906.—Physician, Baltimore.

Henry Nicholas Costello, A. B., Yale, 1906; Interne, Hartford Hospital, Connecticut, 1910-12.—Physician, Hartford.

Walter Edward Dandy, A. B., Missouri, 1907, and Student of Medicine, 1906-07; Assistant in Surgery, Hunterian Laboratory, 1910-11.—Asst. Res. Surg.

Clinton Demas Deming, A. B., Yale, 1907, and Student of Medicine, 1906-07; Asst. in Pathol., 1910-11. — Interne, Hartford Hosp., Hartford, Conn.

Bernard Solomon Denzer, A. B., Columbia, 1906. — Interne, The German Hosp., New York.

Thomas Alan Devan, S. B., Rutgers, 1906.—Interne, Presbyterian Hospital, New York.

Baruch Mordecai Edlavitch, A. B., 1906; Res. Pathol. Hebrew Hos-

pital, Balt., 1910 - 11. — Pathol. Univ. Hosp., Ia. State Univ., Iowa City.

Ralph Landis Engle, A. B., Lebanon Valley Coll., 1905; A. M., Yale, 1906 — Interne, Bellevue Hosp., New York.

Horace Burnett Fenton, A. B., Oregon, 1906. — Asst. Physician, County Hosp., Portland, Ore.

Edgar L. Gilcreest, A. B., Texas, 1906.—Interne, Lakeside Hospital, Cleveland.

Hyman Ginsberg, A. B., Georgia, 1906; Interne, Lane Hospital, San Francisco, 1910 - 12. — Asst. in Surg., Birmingham Med. Sch., and Surgeon, Birmingham, Ala.

Lemuel Whittington Gorham, A. B., Yale, 1906; Resident House Officer, 1911.—Europe.

William Lawrence Grimes, S. B., North Carolina, 1906.—Asst. Res. Surg., Union Protestant Infirmary.

Crowell Clarinton Hall, Jr., A. B., Bowdoin, 1906.—Physician, Foxcroft, Me.

Runkle Fisher Hegeman, A. B., Princeton, 1906; Resident House Officer, 1910-11; Res. Phys. N. Y. Foundling Hosp., N. Y., 1911-12.—Res. Phys. N. Y. Nursery and Childs' Hosp.

Henry Gildersleeve Jarvis, A. B., Yale, 1906; Interne, Conn. Hosp. for the Insane, Middletown (to Jan. 1, 1911); Interne. Hartford Hospital, Conn. (after Jan., 1911.) —Physician, Hartford.

Albert Eugene Johann, A. B., Christian, 1906; Grad. Student, Chicago, Summer of 1906; Senior House Officer, Boston Floating Hosp. (Summer, 1911); Interne, Boston Children's Hospital, 1910-12.—Physician, Minneapolis, Minn.

Samuel Laban Ledbetter, Jr., S. B., Alabama, 1906.—1st Asst. Res. Surg., Lakeside Hospital, Cleveland.

Ralph Herman Major, A. B., William Jewell, 1902; Student, Leipsic, Munich and Chicago, 1904-06; Resident House Officer, 1910-11; Asst. Res. Physician and Asst. in Med., 1910-12.—Europe.

Albert Francis Mattice, S. B., South Dakota Agricult., 1904, Ph. G., Washington State Coll., 1906.—Ophthal. Clinic and Bacteriol. Research with Prof. Theo. Axenfeld, Freiburg, Germany.

Sydney Robotham Miller, S. B., New York Univ., 1905; Resident House Officer, 1910-11.—Asst. in Medicine, and Physician, Baltimore.

Dana Elora Monroe, A. B., Texas, 1906; Interne, Nursery & Child's Hospital, N. Y.—House Officer, Post Grad. Hosp., N. Y.

Raymond Bartlett Morris, A. B., Yale, 1907, and Student of Medicine, 1906-07; Interne, Union Protestant Infirmary, Baltimore, 1910-11,—Physician, Olean, N. Y.

Angus Washburn Morrison, A. B., Yale, 1906; Interne, Royal Victoria Hosp., Montreal, 1910-11. —Europe.

Douglass Howell Morse, S. B., California, 1907, and Med. Student, 1906-07; Resident House Officer, 1910 - 11. — Clin. Path. Wash'g. Univ. Med. Sch., St. Louis.

James Craig Neel, Ph. B., Marietta, 1906; Resident House Officer, 1910-11.—Asst. Res. Gynecol.

William Bradford Newcomb, A. B., William and Mary, 1906.—House Phys., New York Hosp., 1910-12. —Asst. Pathol., *ibid.*

Firmadge King Nichols, A. B., 1906. —Res. Gynecol., St. Agnes' Hospital; Instr. in Physiol. Coll., P. and S., Balt.

Samuel Timothy Nicholson, Jr., A. B., North Carolina, 1906; Res. Phys., Telfair Hosp. for Women, Savannah, Ga., 1910 - 11; Jr. Vstg. Phys., Boone Terre Hosp. and Physician, Bonne Terre, Mo., 1911-12. — Asst. in Clin. Pathol., Washington Univ., St. Louis.

Willey Higby Norton, A. B., Ohio, 1906.—Res. Gynecol., Lakeside Hospital, Cleveland.

Thomas Grover Orr, A. B., Missouri, 1907; Student of Medicine, 1906-07; Interne, Kansas City Genl. Hosp., Mo. (July 1 to Jan. 1); House Officer, Hudson St. Hosp., New York, 1911-12.—House Surg. St. Mary's Hosp. for Children, N. Y.

Jean Paul Pratt, A. B., Ohio State, 1906; Resident House Officer, 1910-11.—Asst. Res. Surg.

Chesney Macauley Ramage, S. B., West Virginia Univ., 1907.—Asst. Surg. Miners' Hosp. and Physician, Fairmont, W. Va.

Robert Lewis Rhodes, A. B., Emory, 1906.—Asso. Surg. Jefferson Surg. Hosp., Roanoke, Va.

Harry Hungate Robinson, A. B., Michigan, 1907, Med. Student, 1906-08. — House Physician, St. Elizabeth's Hosp., Elizabeth, N. J.

Walter Black Rogers, A. B., Washington and Jefferson, 1906; Interne, St. Francis' Hospital, Pittsburgh, 1910-11. — Asst. Res. Surg., Lakeside Hosp., Cleveland.

Alice Rohde, S. B., Chicago, 1903.—Mary Putnam Jacobi Fellowship, Berlin, Germany.

James Wendel Rosenfeld, A. B., Leland Stanford Jr., 1906; Asst. Physician, Kgl. Univ., Kinderklinik, Breslau, 1910-12.—

Raymond Sanderson, S. B., Princeton, 1905; Asst. Res. Phys., The Sanitarium, Clifton Springs, N. Y., 1910-11. — Bact. and Pathol., Ontario and Yates Counties Lab., Canandaigua, N. Y.

Raphael Eustace Semmes, Jr., A. B., Missouri, 1907, and Student of Medicine, 1906-07; Resident House Officer, 1910-11.—Interne Woman's Hosp., N. Y.

Herbert Milford Seneny, A. B., Adelbert, 1906.—Interne, Milwaukee County Hosp., Wauwatosa, Wis.

John William Sheetz, Ph. B., Franklin and Marshall, 1906.—Interne, St. Francis' Hosp., Pittsburg.

Henry Augustus Stephenson, A. B., Randolph-Macon, 1906; Resident House Officer and Asst. Res. Obstet., 1910-12.—Res. Obstetrician and Instr. in Obstetrics.

Howard Lester Taylor, A. B., Oberlin, 1906.—Res. Physician, Lakeside Hospital, Cleveland.

William Lawson Thornton, S. B., Alabama Polytech., 1903; Interne, Union Protestant Infirmary, 1910-11.—Physician, Talladega, Ala.

Thomas Palmer Tredway, A. B., Western Maryland, 1906; Interne, Adrian Hospital, Punxsutawney, Pa., 1910-11.—Physician, Erie, Pa.

Arthur deTalma Valk, A. B., St. John's, 1906, M. A., 1911; Resident House Officer, 1910-11; Res. Surg. Kernan Hosp. for Crippled Children, 1911-12. — Surg. Winston-Salem, N. C.

Herbert Francis Vanorden, Ph. B., Yale, 1907, and Student of Medicine, 1906-07; Jr. Int. Boston Floating Hosp., 1909; Interne, Kansas City General Hospital, 1910-11.—Physician, Kansas City, Mo.

Clyde Emil Watson, S. B., West Virginia, 1905; Interne, The Samuel Merritt Hosp., Oakland, Cal, 1910. —Asst. Prof. Anat. and Path., West Virginia Univ., and Physician, Morgantown, W. Va.

Helen Watson, A. B., Wellesley, 1905; Resident House Officer, 1910-11.—Asst. Res. Physician and Asst. in Medicine.

Milton Weinberg, A. B., South Carolina, 1906.—Asst. Dir. Rural Sanitation for So. Carolina, Manning.

Theodore Henry Wenning, A. B., St. Xavier, 1904; Grad. Student, Cincinnati, 1904-06; Interne, Roosevelt Hospital, N. Y., 1910-12. —Europe.

Miley Barton Wesson, Jr., S. B., Texas, 1902; Interne, Hudson St. Hospital, N. Y., 1910-12. — Surg. El Paso & S. W. R. R., El Paso Inst., and Physician, El Paso, Texas.

James Harvey Whitcraft, S. B., Wooster, 1905.—Interne, Kansas City Hospital, Mo. (after Jan. 1, 1911.)

Luke V. Zartman, A. B., Ohio State, 1906; Interne, Hospital for Women of Maryland; Act. Asst. Res., J. H. H., 1910-11. — Res. Church Home & Infirmary.

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1911

Lester Adams, A. B., Bowdoin, 1907; Interne, St. Francis' Hospital, Pittsburgh, Pa., 1911-12. — Asst. Res. Phys., City Hosp., Bay View.

Cary Fink de Angulo, A. B., Vassar, 1906; Student, Harvard, 1911-12.—St. Matthew's, Ky.

John Van Doren Bedinger, S. B., Princeton, 1907.—Interne, Bellevue Hosp., New York.

Walter Scott Bennett, A. B., Colgate, 1904.—Interne, Norwegian Hosp., Brooklyn, N. Y.

William Edwin Bird, Jr., A. B., 1907.—Asst. Res. Surg., St. Agnes' Hosp., Baltimore.

Arthur Leonard Bloomfield, A. B., 1907; Resident House Officer, 1911-12.—Asst. Res. Physician.

John Rochester Booth, A. B., Randolph-Macon, 1907. — Interne, Bellevue Hosp., N. Y.

George Edward Brockway, Jr., A. B., Williams, 1907; Summer Session, Cornell, 1907. — Interne, King's Co. Hosp., Brooklyn, N. Y.

Barney Brooks, S. B., Univ. of Texas, 1905; Resident House Officer, 1911-12.—

Earle Buell Carter, Ph. B., Yale, 1907.—Interne, Norwegian Hosp., Brooklyn, N. Y.

Joseph David Cohn, A. B., Univ. of Texas., 1907. — Visiting Physician, Spohn Sanitarium; Surg., San Antonio and Aransas Pass R. R.; 1st Lieut. Med. Corps, Texas Nat. Guard, and Physician, Corpus Christi, Texas.

John Collinson, Jr., A. B., St. John's, 1907; Interne, James Walker Memorial Hosp., Wilmington, N. C., 1911-12.—Res. Phys. Polyclinic Hosp., Philadelphia.

John Archibald Campbell Colston, Ph. B., Yale, 1907; Resident House Officer, 1911-12.—Asst. Res. Surg.

Melton Downie Council, Ph. B., Emory, 1905; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Res. Phys., Macon (Ga). Hosp.

Francis Randolph Crawford, A. B., Washington and Lee, 1906; Interne, St. Francis' Hosp., Pittsburgh, 1911-12. — Asst. Surg., Clifton Spgs. Sanitarium, N. Y.

David Melvin Davis, S. B., Princeton, 1907; Interne, City Hosp., Bay View, 1911-12.—Asst. in Pathol.

William Thomas De Sautelle, A. B., Wisconsin, 1908, and Student of Medicine, 1907-08.—Interne, Harlem Hosp., New York.

William Milas Dunn, A. B., Davidson, 1903; Summer Session,

Columbia, 1907. — House Officer, Mass. Gen. Hosp., Boston.

Ralph Henry Dunning, A. B., Yale, 1907; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1911-12.—Interne, St. Lawrence State Hosp., Ogdensburg, N. Y.

Hiram Fried, A. B., 1907.—Interne, City Hosp., Bay View.

William Archibald Frontz, A. B., Princeton, 1907; Resident House Officer, 1911-12.—

William Dixon Fullerton, Ph. B., Yale, 1907.—Res. Gyne., Lakeside Hosp., Cleveland.

Hiram Mary Gallagher, A. B., Catholic Univ. of America, 1907; Summer Session, Univ. of Chicago, 1907; Winter Semester, Freiburg, 1908 - 09. — Interne, St. Francis Hosp., New York.

Thomas Henry Gilland, Ph. B., Lafayette, 1907; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12. — Physician, Greencastle, Pa.

Ernest Owsley Grant, A. B., Central Univ. of Ky., 1907.—Interne, Lakeside Hosp., Cleveland.

Ernest George Grey, A. B., Wisconsin, 1907, and Student of Medicine, 1907-08; Resident House Officer, 1911-12. — House Officer, Peter Bent Brigham Hosp., Boston.

Elmer Chester Gross, B. L., Whitman College, 1906.—Resident Physician, Seattle General Hosp., Seattle, Wash.

Roy Wallace Hammack, A. B., Univ. of Oregon, 1907.—Instructor in Path. and Bact., Coll. of Medicine and Surgery, University of the Philippines, Manila.

Clifford Clinton Hartman, S. B., and M. S., Pennsylvania College, 1907; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12.—Fellow in Path., U. of Pgh. Med. Sch., Pittsburgh.

William Hall Hawkins, A. B., Central Univ. of Ky., 1906; Student, Hosp. Coll. of Medicine, 1906-07.—Interne, Bellevue Hosp., New York.

Ernest Singleton Hendry, A. B., 1907.—Interne, Union Protestant Infirmary, Baltimore.

William Brawner Hetfield, A. B., Catholic Univ. of America, 1907.—Interne, Brooklyn Hosp., New York.

Anna Hubert, A. B., Univ. of Washington, 1901, and A. M., 1904; Resident House Officer, 1911-12. —Asst. Res. Surg. N. E. Hosp. for Women and Children, Boston.

William Rutledge Hudson, A. B., Washington and Lee Univ., 1906.—Interne, Hosp. for Women of Maryland, Baltimore.

John Atkinson Hunnicutt, Jr., A. B., Univ. of Georgia, 1907.—Interne, Lakeside Hosp., Cleveland.

Barbara Hunt, A. B., Vassar, 1906; Univ. of Maine, Summer Sch., 1907; Interne, N. Y. Infirmary for Women and Children, 1911-12.—Physician, Bangor, Me.

George Ives, A. B., Wisconsin, 1907; Med. Student, Univs. of Chicago and Wisconsin, 1907-09. — Asst. State Bacteriologist, Montgomery, Ala.

Conrad Jacobson, S. B., Beloit, 1900; Grad. Student, Chicago, three summer qrs.; Assistant in Surgery, Hunterian Laboratory, 1911-12.—Asst. Res. Surg. Peter Bent Brigham Hosp., Boston.

Nancy Blanche Jenison, A. B., Wells, 1898; Grad. Student, Chicago, 1907.—Interne, N. Y. Infirmary for Women and Children.

Charles Chauncey Winsor Judd, A. B., Kenyon Coll., 1907; Interne, Union Protestant Infirmary, Baltimore, 1911 - 12. — Vol. Asst. to Chief Clin. Lab., City Hosp.

Norman Macdonnell Keith, A. B., Toronto, 1908, and Medical Student, 1906-08.—Interne, New York Hosp., N. Y.

Lloyd Warren Ketron, A. B., Grant Univ., 1907.—Asst. in Dermatol. Disp.

Tedrow Sylvester Keyser, A. B., Wittenberg, 1907.—Interne, Lakeside Hosp., Cleveland.

Oliver Kinsey, Jr., A. B., Virginia, 1907, and Medical Student, 1907-09; Interne, Church Home and Infirmary, Baltimore, 1911-12.—1st Lieut. Med. Reserve Corps, U. S. Army, Washington, D. C.

Arthur Charles Kissling, A. B., Wisconsin, 1906, and Medical Student, 1907-09; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Physician, Milwaukee, Wis.

Benjamin Schönbrun Kline, A. B., Swarthmore, 1907; Interne, City Hosp., Bay View, 1911-12.—

Howard James Knott, S. B., Whitman Coll., 1907.—Resident Physician, Seattle General Hosp., Seattle, Wash.

Linda Bartels Lange, A. B., Bryn Mawr, 1903.—Interne, N. Y. Infirmary for Women and Children, 1911 - 12. — Fellow in Pathol., Rockefeller Inst.

Warren Eugene Leaper, A. B., Wisconsin, 1908, and Student of Medicine, 1907-08.—Interne, Rhode Island Hosp., Providence.

Veader Newton Leonard, Ph. B., Yale, 1907; Student, Univ. of Freiburg, 1907-08; Resident House Officer, 1911-12.—Asst. Res. Gynecol.

William Henry Licht, S. B., Trinity Coll. (Hartford), 1907.—Interne, Hartford Hosp., Hartford, Conn.

Hans Lisser, A. B., California, 1907. Resident House Officer, 1911-12. —Europe.

Drew William Luten, A. B., Kentucky State Univ., 1901; Fellow, Vanderbilt Univ., 1903-04; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12. — Physician, Internat. Harvester Co., Deering, Mo.

John Thomson MacCurdy, A. B., Toronto, 1908, and Student of Medicine, 1906-08; Fellow in Pathology, 1911-12.—Europe.

Herbert Lee McNeil, A. B., Southwestern Univ., 1906; Grad. Student, Univ. of Texas, 1906-07.—Interne, St. Agnes' Hosp., Baltimore.

Monroe A. Maas, A. B., Univ. of Alabama, 1907.—Asst. Res. Church Home and Infirmary, Baltimore.

Charles Goodwin Merriam, A. B., Yale, 1907.—Surg. E. E. White Coal Co., Stotesbury, W. Va.

James Raglan Miller, A. B., Yale, 1907.—Voluntarärzt, Königl, Frauenklinik, Munich, Germany.

James Aloysius O'Donnell, A. B., Loyola, 1906; Graduate Student, 1906-07.—Res. Gyn. & Obstet., St. Joseph's Hosp., Baltimore.

Ralph Sherburne Perkins, A. B., Dartmouth, 1907.—Interne, Worcester City Hosp., Worcester, Mass.

Everett Dudley Plass, A. B., Colgate, 1907; Resident House Officer, 1911-12. — Asst. in Obstet. and Asst. Res. Obstet.

Caryl Ashby Potter, A. B., Missouri, 1908, and Student of Medicine, 1907-08.—House Gynecol. Roosevelt Hospital, New York.

Ira Humphrey Prouty, S. B., Dartmouth, 1907; Interne, Thomas Wilson Sanitarium for Children (summer 1911). — Attend. Phys. Rockingham Hosp., and Physician, Bellows Falls, Vt.

Arthur Samuel Rosenfeld, A. B., Leland Stanford Jr., 1907.—Interne, Mt. Sinai Hosp., N. Y.

Augusta Rucker, A. B., Univ. of Texas, 1896, and A. M., 1900; Med. Dept. Wisconsin, June-Oct., 1907, and May-Oct., 1908; Interne, Babies' Hosp., N. Y., 1911-12. — Interne, N. Y. Infirm. Women and Children.

Charles E. Rynd, S. B., Hamilton, 1907., and M. S., 1910.—Europe, 1911-12; after June, 1912, Interne, King's Co. Hosp., Brooklyn, N. Y.

Dwight Milton Sawyer, Ph. B., Wesleyan (Conn.), 1906; House Phys., Nursery & Childs' Hosp., N. Y.

Mabel Seagrave, A. B., Wellesley, 1905. — Interne, N. Y. Infirmary for Women and Children.

Walter Gresham Sexton, A. B., Wisconsin, 1908, and Student of Medicine, 1907-08; Resident House Officer, 1911-12.—Asst. Res. Surg. The Hebrew Hosp.

Paul Rothrock Sieber, A. B., Pennsylvania Coll., 1907.—Res. Surg., St. Francis' Hosp., Pittsburgh.

William Knepper Skilling, A. B., 1906.—Physician, Baltimore.

Helen Willston Smith (Mrs. Sanger Brown), A. B., Bryn Mawr, 1906; Resident House Officer, 1911.—Bloomingdale, White Plains, N. Y.

Roy Ross Snowden, A. B., Washington and Jefferson, 1907.—Res. Phys., City Hosp., Bay View.

Lewis Cass Spencer, S. B., Tulane, 1907; Grad. Student, Albert Ludwig Univ., Freiburg, 1908-09.—Asst. Res. Surg., Union Protestant Infirmary, Baltimore.

Marshall Byron Sponsler, A. B., Ursinus, 1907.—Interne, St. Francis' Hosp., New York.

Alexander McCulley Stevens, A. B., St. John's, 1907.—Easton.

George Adolph Stewart, A. B., 1907. Res. Phys., St. Agnes' Hosp., Baltimore.

Edgar Stillman, A. B., Leland Stanford Jr., 1907.—Interne, Bellevue Hosp., New York.

Thornton Edwin Vail, Ph. B., Yale, 1907.—Asst. Res., Elmcroft Sanitarium, Thompsonville, Conn.

Clifford Black Walker, S. B., California, 1906, and Medical Student, 1906-09; M. A., J. H. U., 1912; Asst. to Dr. Cushing, 1911-12.—Boston.

William Joshua Weese, S. B., and A. B., Missouri, 1905, and Medical Student, 1907-09. — Res. Phys., Santo Tomas Hosp., Panama City.

Isidore Kalisch Wiener, A. B., Princeton, 1907.—Interne, Blackwell's Island, New York.

Edwin Robert Wiese, A. B., Western Univ. of Penna., 1907.—Student, Univ. of Berne, Switzerland.

Claud May Winn, S. B., Tulane, 1906, and Student of Medicine, 1906-07. — Chief of Laboratories, Santo Tomas Hosp., Panama City.

Julian Mast Wolfsohn, S. B., California, 1905, and M. S., 1907; Resident House Officer, 1911-12.—Asst. in Neurol. Med. Dept. Leland Stanford, Jr., Univ., and Physician, San Francisco, Calif.

Jaime de Angulo, B. es Lett, Univ. of Paris, 1906; Cooper Med. Coll., 1906-07.—Eugenics Comm. Amer. Breeders' Ass'n., St. Matthews, Ky. (*Degree granted January* 8, 1912.)

George Washington Cox, S. B., Chicago, 1907. — Interne, Hartford, Hosp., Hartford, Conn. (*Degree granted January* 8, 1912.)

Robert George McAliley, S. B., Davidson, 1904; Med. Student, Univ. of Md., 1907-08.—Interne, R. I. Hospital, Providence. (*Degree granted January* 8, 1912.)

Ernest Luther Morgan, S. B., Wake Forest, 1907; Med. Student, *ibid.*, 1905 - 07. — Interne, Providence Hosp., Washington, D. C. (*Degree granted January* 8, 1912.) (89)

1912

Clarence Ladelle Andrews, S. B., Louisiana State, 1908; Univ. of Strassburg, Germany, 1909.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Edwin I. Bartlett, A. B., Washington State, 1908; Univ. of Strassburg, 1909.—

Joseph Howard Beard, A. B., St. John's, 1902.—Instr. Physiol. and Histol., Univ. of Illinois, and Physician, Urbana.

Jane Elizabeth Bigelow, A. B., Butler, 1907.—Interne, N. Y. Infirm. for Women and Children.

Charles Albert Bowers, S. B., West Virginia, 1908. — Interne, Lakeside Hosp., Cleveland.

Eveleth Wilson Bridgman, A. B., 1908.—Resident House Officer.

Cyrus Cathey Brown, A. B., Arkansas, 1908.—Interne, St. Francis Hosp., Pittsburgh.

John Lewis Butsch, S. B., Purdue, 1905.—Assoc. Prof. Materia Medica, Thera. and Pharm. Med. Dept. Univ., Buffalo.

Raymond John Cary, S. B., Iowa, 1906; Chicago, summer session, 1904 and 1905; Med. Student, Western Reserve, 1908 - 10. — Interne, St. Francis Hosp., Pittsburgh.

Burns Stoddard Chaffee, A. B., Leland Stanford Jr., 1908.—Interne, St. Agnes Hosp.

Alan Mason Chesney, A. B., 1908.—Resident House Officer.

Jacob Cohen, A. B., 1908.—Interne, City Hospital, Bay View.

Marye Yeamans Dabney, Ph. B., Chicago, 1908.—Interne, R. I. Hosp., Providence.

Edwin Greene Davis, A. B., Nebraska, 1909, and Med. Student, 1908-10.—Interne, Union Protest. Infirmary.

William Milton Dumm, S. B., Ohio Wesleyan, 1908.—Resident House Officer.

Milton Thomas Edgerton, Jr., A. B., Georgia, 1908. — Interne, City Hospital, Bay View.

Roland Frederick Fisher, S. B., Wisconsin, 1909, and Medical Student, 1907-09.—Interne, Washington Univ. Hosp., St. Louis.

Mary Randolph Fleming, A. M., Randolph-Macon Woman's Coll., 1902.—Interne, Hardman Sanatorium, Commerce, Ga.

Ovid Clemmons Foote, A. B., Wake Forest, 1908.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Winter Reginald Frantz, S. B., West Virginia, 1908. — Interne, Bellevue Hosp., N. Y.

Willa May Fricke, A. B., Barnard, 1906; 2½ years Med. Coll. and Hosp. for Women and Children, 1906-09.—Externe in Obstetrics.

Julian Eugene Gammon, S. B., Florida, 1908.—Interne, St. Agnes Hosp. (to December, 1912); Lakeside Hosp., Cleveland.

James Heyward Gibbes, A. B. and S. B., South Carolina, 1908.—Asst. Res. Physician.

William Lee Gills, A. B., Randolph-Macon, 1905.—Interne, Hartford Hosp., Conn.

Frederick Akin Glass, A. B., Central (Ky.), 1908. — Interne, Lakeside Hosp., Cleveland.

Ernest William Goodpasture, A. B., Vanderbilt, 1907. — Rockefeller Fellow in Pathol., J. H. U.

Roscoe Willis Hall, Ph. B., Dickinson, 1908.—Interne, City Hosp., Bay View.

James B. Holmes, A. B. and A. M., Virginia, 1910, and Med. Student, 1908-09; Med. Student, Göttingen, summer, 1911.—Physician, Lynchburg, Va.

Samuel Haymann Hurwitz, A. B., Harvard, 1907, and A. M., 1908; Univ. of Strassburg, 1909; Special Student, Inst. Infect. Diseases, Berlin, summer, 1911. — Resident House Officer.

Helmina Jeidell, A. B., Barnard, 1908; Special Student, Pasteur Inst., Paris, summer, 1909.—Resident House Officer.

Rudolph Alfred Kocher, A. B., Leland Stanford Jr., 1908; Student of Med., Leipsic, 1909-10.—Graduate work, Vienna.

Henry Hoffman Loos, A. B., 1908.—Interne, St. Agnes Hosp.

Walter Gay Lough, S. B., West Virginia, 1908.—Interne, N. Y. Post Graduate Hosp., N. Y.

Oswald Swinney Lowsley, A. B., Leland Stanford Jr., 1908. — Interne, Bellevue Hosp., N. Y.

Harvey Ross McAllister, A. B., Penna. Coll., 1908.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

William Bradbury McClure, S. B., Penna. Coll., 1908. — Resident House Officer.

Hugh McCulloch, A. B., Arkansas, 1908.—Interne, Washington Univ. Hosp., St. Louis.

William Lawrence Millea, A. B., Clark, 1908.—Resident House Officer.

Edgar Allen Miller, S. B., Penna. Coll., 1908.—Interne, St. Francis Hosp., Pittsburgh.

Knox Emerson Miller, A. B., William Jewell, 1908.—Dist. Inspector, Va. State Board of Health, Richmond.

Nathaniel Mills, A. B., Williams, 1908.—Interne, St. Francis Hosp., New York.

William Haviland Morriss, A. B., Haverford, 1908.—Resident House Officer.

William Neill, Jr., A. B., St. John's, 1908.—Interne, Church Home and Infirmary.

Ralph Wilbur Nichols, Ph. B., Yale, 1908. — Interne, Boston Floating Hosp. Summer 1912; after October 1st, Sr. Interne, New Haven Hosp., New Haven, Ct.

Louise Pearce, A. B., Leland Stanford Jr., 1907; Boston Univ. Sch. of Medicine, 1907-09. — Resident House Officer.

Charles Hamlin Pelton, A. B., Trinity (Conn.), 1905. — Interne, Albany Hosp., Albany, N. Y.

Maurice Charles Pincoffs, Jr., S. B., Chicago, 1909; Rush Med. Coll., 1906-09; Grad. Sch. 1909-10.—Interne, Presbyterian Hosp., Chicago.

Martin Hayward Post, Jr., A. B., Amherst, 1908. — Interne, City Hospital, St. Louis.

Carl Wheeler Rand, A. B., Williams, 1908, and A. M., 1909.—Resident House Officer.

Charles Dwight Reid, Jr., A. B., Wiliams, 1908.—Interne in Surg., German Hosp., New York.

Mont Rogers Reid, A. B., Roanoke, 1908.—Resident House Officer.

Harold Irwin Reynolds, A. B., Georgia, 1908. — Interne, Woman's Hosp. of Maryland.

Max Spencer Rohde, S. B., Chicago, 1908.—Interne, Kansas City General Hospital, Mo.

Peter Benjamin Sarason, A. B., Yale, 1909, and Med. Student, 1907-09.—Resident House Officer.

Henry Christian Schmeisser, A. B., 1908.—Fellow in Pathology.

Raymond Louis Schultz, S. B., Wisconsin, 1908, and Med. Student, 1908-10.—Interne, Milwaukee Co. Hosp., Wis.

Nathan P. Sears, Ph. B., Syracuse, 1908.—Interne, Church Home and Infirmary.

Reginald Oliver Sellman, A. B., 1908. —Res. Phys. Biedler-Sellman Sanitarium.

Rolla J. Shale, A. B., Oberlin, 1908. —Interne, Wilkes-Barre Hosp., Pa. Pa.

Ellery DeWitt Simpson, A. B., Western Maryland, 1908.—Interne, St. Luke's Hosp., St. Paul, Minn.

Warren Richards Sisson, A. B., Colgate, 1908; Student of Med., Freiburg, summer session, 1910; Univ. of München, winter semester, 1910-11, and Univ. Heidelberg, summer session, 1911. — Interne Peter Bent Brigham Hosp., Boston.

Harry Richmond Slack, Jr., A. B., Georgia, 1908. — Asst Resident Surgeon.

Trammel Starr, A. B., Emory, 1908. —Interne, City Hospital, Bay View.

Thornton Stearns, A. B., Davidson, 1906. — Interne, Mass. General Hosp., Boston.

Holland Newton Stevenson, 2nd., Ph. B., Yale, 1908.—Assistant in Pathology.

Abraham Strauss, A. B., Harvard, 1909.—Interne, Mt. Sinai Hosp., New York.

David Corbin Streett, A. B., 1908.—Resident House Officer.

John Sundwall, S. B., Chicago, 1903; Ph. B., 1906, and Med. Student, 1906-08; U. S. Public Health and Marine Hospital Service, Washington, D. C., 1912. — Prof. Anat. Univ. Kansas., Lawrence.

Harry Roswell Wahl, A. B., Wisconsin, 1908, and A. M., 1910, and Med. Student, 1908-10.—Pathologist, Lakeside Hospital, Cleveland.

Arthur L. Walters, S. B., Purdue, 1904. — Interne, City Hospital, Providence, R. I. (summer 1912).

Charles Hansell Watt, S. B., Davidson, 1906.—Resident House Officer.

Adriel Clark Weakley, A. B., Georgetown (Ky.) 1904.—Interne, Brooklyn Hosp., N. Y.

Lewis Hill Weed., A. B., Yale, 1908, and A. M., 1909.—Lab'y Experimental Surgery, Harvard Med. Sch., Boston.

Paul Wegefarth, A. B., 1908; Student of Medicine, Freiburg, 1909-10.—Interne, Peter Bent. Brigham Hosp., Boston.

Donald Breckenridge Wells, A. B., Yale, 1907.—City Hospital, Providence, R. I. (summer of 1912); Interne, St. Luke's Hospital, N. Y.

Alexander Watson Williams, A. B., Harvard, 1908.—Interne, Union Protestant Infirmary.

Francis Thomas Williams, A. B., 1908. — Interne, The Providence Hosp., Washington, D. C.

Eleanor Bittinger Wolf, A. B., Goucher, 1908. — Resident House Officer

George Baney Wolff, A. B., Ursinus, 1908. — Interne, Sheppard and Enoch Pratt Hospital, Towson.

James Augustus Wood, A. B., Southern, 1907; Univ. of Ala., summer, 1906.—Interne, N. Y. Foundling Hosp., N. Y.

Harold Burton Woodward, S. B., Wesleyan (Conn.) 1908.—Interne, City Hosp., Waterbury, Conn.

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(Total, 888)

Places of Residence and Graduates in Medicine of the Johns Hopkins University

Alabama:

Birmingham, ... 7
- R. T. Comer, '01.
- K. W. Constantine, '05.
- C. E. Dowman, '05.
- H. Ginsburg, '10.
- F. A. Lupton, '99.
- E. M. Mason, '06.
- H. P. Shugerman, '08.

Clayton, ... 1
- N. L. Winn, '06.

Decatur, ... 1
- W. W. Dinsmore, '07.

Gadsden, ... 1
- H. W. Bass, '06.

Mobile, ... 2
- H. P. Cole, '06.
- G. J. Winthrop, '06.

Montgomery, ... 2
- G. Ives, '11.
- P. B. Moss. '09.

Alaska:

Douglas, ... 1
- J. E. Meisenhalder, '02.

Arizona:

Phoenix, ... 2
- C. B. Palmer, '07.
- F. H. Redewill, '06.

Arkansas:

Hot Springs, ... 1
- J. H. Chesnutt, '07.

California:

Berkeley, ... 2
- C. L. Williams, '02.
- G. Y. Rusk, '00.

Los Angeles, ... 9
- F. C. Ainley, '06.
- W. V. Brem, '04.
- J. L. Choate, '10.
- R. L. Cunningham, '07.
- F. C. Davis, '00.
- R. F. Hastreiter, '01.
- C. L. Magee, '99.
- F. S. Ray, '08.
- R. R. Rea, '06.

Mare Island, ... 1
- H. L. Kelley, '07.

Palo Alto, ... 1
- C. D. Mosher, '00.

Sacramento, ... 3
- E. Briggs, '00.
- C. M. Faris, '05.
- F. F. Gundrum, '08.

San Diego, ... 1
- R. S. Carter, '10.

San Jose, ... 1
- L. E. Ray, '08.

San Francisco, ... 14
- H. W. Allen, '00.
- E. E. Brownell, '99.
- J. V. Cooke, '08.
- A. L. Fisher, '00.
- S. L. Haas, '08.
- H. Harris, '99.
- G. W. Hartman, '07.
- S. Hyman, '02.
- A. G. Lyle, '02.
- R. Patek, '06.
- M. Silverberg, '02.
- J. Van Denburgh, '02.
- H. I. Wiel, '05.
- C. B. Wolfsohn, '11.

Santa Monica, ... 1
- E. L. Crispin, '06.

Stanford University, ... 1
- A. W. Meyer, '05.

University of California, 1
- F. P. Gay, '01.

Colorado:

Colorado Springs, ... 2

G. B. Gilbert, '07.
W. W. Williams, '99.

Denver, ... 3

H. G. Garwood, '04.
C. B. Ingraham, Jr., '06.
M. Long, '03.

Connecticut:

Hartford, ... 17

J. L. Birdsong, '09.
H. N. Costello, '10.
G. W. Cox, '11.
C. D. Deming, '10.
E. A. Deming, '08.
W. L. Gills, '12.
A. H. Griswold, '06.
T. N. Hepburn, '05.
H. G. Jarvis, '10.
P. C. Jeans, '09.
W. H. Licht, '11.
H. A. Martelle, '05.
H. C. Russ, '06.
W. R. Steiner, '98.
D. W. Tracy, '08.
R. L. Waite, '09.
E. A. Wells, '01.

Litchfield, ... 1

C. H. Turkington, '07.

Middletown, ... 1

H. Rinde, '08.

New Britain, ... 1

C. H. Travis, '03.

New Haven, ... 7

H. G. Barbour, '10.
J. I. Butler, '01.
J. M. Flint, '00.
D. M. Lewis, '01.
R. W. Nichols, '12.
R. F. Rand, '00.
H. M. Steele, '02.

Norwich, ... 1

P. J. Cassidy, '98.

Stepway, ... 1

G. A. Smith, '07.

Thompsonville, ... 1

T. E. Vail, '11.

Waterbury, ... 1

H. B. Woodward, '12.

West Haven, ... 1

R. D. Clarke, '08.

Delaware:

Laurel, ... 1

J. R. Elliott, '09.

District of Columbia:

Washington, ... 24

F. M. Barnes, '07.
J. A. Bass, '09.
J. B. Briggs, '02.
J. Dunlop, '02.
W. G. Erving, '02.
H. A. Fowler, '01.
N. D. Graham, '01.
M. Hahn, '07.
H. H. Hazen, '06.
H. M. Kaufman, '01.
A. H. Kimball, '02.
O. Kinsey, Jr., '11.
L. C. Lehr, '02.
J. W. Lindsay, '08.
E. Lootz (Erving), '02.
C. N. McBryde, '97.
J. F. Mitchell, '97.
E. L. Morgan, '11.
H. P. Parker, '01.
P. Preble, '07.
E. H. Reede, '02.
W. F. M. Sowers, '00.
L. Tayler-Jones, '03.
F. T. Williams, '12.

Florida:

Jacksonville, ... 8

G. Day, '06.
H. Hanson, '08.
G. R. Holden, '01.
E. L. Lowell (Stevens), '00.
W. S. Manning, '03.
J. H. Randolph, '04.
C P. Rogers, '02.
I. C. Youmans, '09.

Talladega, ... 1

W. L. Thornton, '10.

Georgia:

Athens, ... 1

D. H. DuPree, '07.

Atlanta, ... 7

M. L. Boyd, '07.
L. M. Gaines, '03.
J. F. Grant, '03.
J. E. Paullin, '05.
C. M. Remsen, '04.
C. A. Rhodes, '07.
W. F. Shallenberger, '07.

Augusta, ... 3

W. D. Cutter, '05.
W. C. Kellogg, '00.
C. D. Partridge, '07.

Commerce, ... 1

M. R. Fleming, '12.

Macon, ... 2

J. R. B. Branch, '08.
M. D. Council, '11.

Milledgeville, ... 1
J. H. Hewitt, '06.

Savannah, ... 4
V. H. Bassett, '03.
W. R. Dancy, '00.
R. M. Grimm, '08.
W. S. Wilson, '04.

Thomson, ... 1
B. F. Riley, '03.

Hawaii:

Honolulu, ... 1
W. D. Baldwin, '01.

Illinois:

Chicago, ... 9
A. H. Beifeld, '07.
H. F. Helmholtz, '06.
G. R. Henry, '07.
L. L. Iseman, '06.
P. Kyes, '00.
F. W. Lynch, '99.
M. C. Pincoffs, '12.
M. J. Rubel, '01.
S. Strouse, '06.

Evanston, ... 1
P. O. Owsley, '99.

Havana, ... 1
C. H. Stubenrauch, '07.

Jacksonville, ... 1
E. G. Dewey, '03.

Mattoon, ... 1
W. G. Wallace, '09.

Peoria, ... 1
J. H. Bacon, '04.

Urbana, ... 1
J. H. Beard, '12.

Indiana:

Anderson, ... 1
T. M. Jones, '02.

Evansville, ... 1
H. W. Little, '00.

Indianapolis, ... 4
C. P. Emerson, '99.
W. D. Gatch, '07.
E. B. Mumford, '05.
J. V. Reed, 04.

Lafayette, ... 1
B. Z. Cashman, '09.

Linton, ... 1
A. A. Thomas, '08.

Logansport, ... 1
J. R. Stewart, '09.

Madison, ... 1
A. P. Harrison, '07.

Petersburg, ... 1
C. S. Little, '99.

Iowa:

Atlantic, ... 1
M. Emmert, '09.

Cedar Rapids, ... 1
J. Crawford, '09.

Davenport, ... 1
J. T. Haller, '05.

Des Moines, ... 1
C. Burnside, '07.

Independence, ... 1
C. H. Bryant, '08.

Iowa City, ... 1
B. M. Edlavitch, '10.

Mt. Vernon, ... 1
F. F. Ebersole, '06.

Kansas:

Lawrence, ... 1
J. Sundwall, '12.

Leavenworth, ... 1
H. D. Bloombergh, '01.

Kentucky:

Harrodsburg 1
C. B. Van Arsdall, '02.

Lexington, ... 1
J. D. Hunt, '06.

St. Matthews, ... 2
C. F. de Angulo, '10.
J. de Angulo, '11.

Louisville, ... 1
J. H. Hathaway, '01.

Louisiana:

New Orleans, ... 1
R. B. Bean, '04.

Maine:

Bangor, ... 1

B. Hunt, '11.

Foxcroft, ... 1

C. C. Hall, '10.

Portland, ... 2

W. B. Moulton, '03.
P. P. Thompson, '06.

Maryland:

Baltimore, ... 162

R. T. Abercrombie, '05.
L. Adams, '11.
M. T. Adkins, '07.
C. R. Austrian, '09.
W. S. Baer, '98.
F. H. Baetjer, '01.
W. A. Baetjer, '01.
J. M. Bergland, '04.
B. M. Bernheim, '05.
W. E. Bird, '11.
J. R. Blackman, '06.
A. L. Bloomfield, '11.
T. R. Boggs, '01.
E. W. Bridgman, '12.
B. Brooks, '11.
T. R. Brown, '97.
B. B. Browne, '02.
H. Brülle, '00.
R. M. Bruns, '02.
H. W. Buckler, '99.
C. F. Burnam, '00.
C. M. Byrnes, '06.
W. A. Calihan, '10.
D. B. Casler, '04.
B. S. Chaffee, '12.
T. R. Chambers, '10.
J. A. Chatard, '03.
A. M. Chesney, '12.
J. W. Churchman, '02.
E. R. Clark, '07.
P. W. Clough, '07.
J. Cohen, '12.
H. T. Collenberg, '10.
J. A. C. Colston, '11.
S. J. Crowe, '08.
W. E. Dandy, '10.
D. M. Davis, '11.
E. G. Davis, '12.
J. S. Davis, '99.
S. A. Dodds, '05.
G. C. Dohme, '02.
R. Duffy, '02.
W. M. Dumm, '12.
M. T. Edgerton, '12.
C. R. Essick, '09.
H. M. Evans, '08.
C. B. Farrar, '00.
R. Fayerweather, '03.
J. S. Fischer, '03.
W. A. Fisher, '00.
R. H. Follis, '99.
W. W. Ford, '98.
W. M. Fricke, '12.
H. Fried, '11.
W. A. Frontz, '11.
J. T. Geraghty, '03.
J. H. Gibbes, '12.
E. W. Goodpasture, '12.
H. S. Greenbaum, '04.
W. L. Grimes, '10.
C. G. Guthrie, '07.
R. W. Hall, '12.
L. P. Hamburger, '97.
L. V. Hamman, '01.
F. Hazelhurst, '07.
E. S. Hendry, '11.
G. J. Heuer, '07.
A. D. Hirschfelder, '03.
L. K. Hirshberg, '02.
D. R. Hooker, '05.
W. R. Hudson, '11.
G. L. Hunner, '97.
S. H. Hurwitz, '12.
E. H. Hutchins, '06.
H. Jeidell, '12.
A. Keidel, '03.
J. H. King, '06.
L. W. Ketron, '11.
B. S. Kline, '11.
J. H. M. Knox, '98.
S. P. Law (Mrs. McGlannan), '07.
M. Lazenby, '03.
V. N. Leonard, '11.
E. J. Leopold, '05.
W. H. Lewis, '00.
H. H. Loos, '12.
J. A. Luetcher, '99.
R. D. McClure, '08.
W. B. McClure, '12.
H. L. McNeil, '11.
M. A. Maas, '11.
D. I. Macht, '06.
R. H. Major, '10.
R. W. B. Mayo, '08.
W. L. Millea, '12.
S. R. Miller, '10.
W. H. Morriss, '12.
A. H. Morse, '06.
W. L. Moss, '05.
J. C. Neel, '10.
W. Neill, Jr., '12.
F. K. Nichols, '10.
G. C. Ney, '08.
J. A. O'Donnell, '11.
O. B. Pancoast, '97.
W. T. Parsons, '07.
L. Pearce, '12.
I. R. Pels, '06.
C. A. Penrose, '97.
E. L. Pessagno, '07.
E. D. Plass, '11.
J. H. Pleasants, '99.
F. G. Porter, '08.
J. P. Pratt, '10.
C. W. Rand, '12.
M. Reid, '12.
H. I. Reynolds, '12.
E. H. Richardson, '05.
S. Rosenheim, '99.
F. R. Sabin, '00.
E. P. Sandrock, '07.
P. B. Sarason, '12.
J. I. Scarborough, '08.
H. C. Schmeisser, '12.
G. B. Scholl, '02.
N. P. Sears, '12.
A. W. Sellards, '09.
R. O. Sellman, '12.
W. G. Sexton, '11.
W. K. Skilling, '11.
H. R. Slack, Jr., '12.
F. J. Sladen, '06.
J. M. Slemons, '01.
W. H. Smith, '03.
R. R. Snowden, '11.
L. C. Spencer, '11.
T. P. Sprunt, '09.
T. Starr, '12.
H. A. Stephenson, '10.
H. N. Stevenson 2d., '12.
G. A. Stewart, '11.

H. B. Stone, '06.
D. C. Streett, '12.
E. R. Strobel, '99.
G. L. Taneyhill, Jr., '04.
H. S. Thompson, '09.
C. B. Towles, '05.
A. J. Underhill, '01.
C. W. Vest, '08.
L. H. Watkins, '09.
C. H. Watt, '12.
H. Watson, '10.
C. W. Webb, '09.
J. M. West, '01.
G. H. Whipple, '05.
A. W. Williams, '12.
D. Williams, '02.
M. C. Winternitz, '07.
E. B. Wolf, '12.
S. Wolman, '06.
G. H. Woltereck, '09.
L. V. Zartman, '10.

Cumberland, ... 1

J. H. Wilson, '08.

Easton, ... 1

A. M. Stevens, '11.

Hagerstown, ... 1

P. Wroth, '06.

Manchester, ... 1

W. R. S. Denner, '08.

Princess Anne, ... 1

H. M. Lankford, '05.

Sanatorium, ... 1

V. F. Cullen, '06.

Massachusetts:

Arlington, ... 1

H. R. Webb, '06.

Boston, ... 27

L. H. Burlingham, '06.
H. A. Christian, '00.
F. A. Coughlin, '08.
W. M. Dunn, '11.
E. G. Grey, '11.
E. Goetsch, '09.
E. Hale (Swift), '05.
G. W. Hall, '01.
A. Hubert, '11.
H. T. Hutchins, '03.
C. Jacobson, '11.
E. E. Lindeman, '08.
H. W. Marshall, '04.
M. E. Morse, '03.
H. G. Myrick, '00.
J. H. Pratt, '98.
L. J. Rhea, '05.
S. Rushmore, '02.
W. R. Sisson, '12.
T. Stearns, '12.
W. L. Thompson, '04.
F. H. Verhoef, '99.
C. B. Walker, '11.
J. C. Walker, '09.
L. H. Weed, '12.
P. Wegefarth, '12.
W. S. Wyatt, '09.

Cambridge, ... 2

M. F. Austin (Southard), '00.
H. L. Langnecker, '06.

Fall River, ... 2

E. S. Chace (Herbert), '01.
M. W. Marvel, '00.

Greenfield, ... 1

W. K. Clarke, '08.

Hathorne, ... 1

W. B. Cornell, '03.

New Bedford, ... 1

G. Marsden, '06.

Rehoboth, ... 1

M. S. Packard, '97.

Salem, ... 1

E. K. Burbeck, '07.

Waltham, ... 1

O. L. Dascombe, '05.

Worcester, ... 1

R. S. Perkins, '11.

Weston, ... 1

A. M. Ballou (Eliot), '05.

Michigan:

Ann Arbor, ... 3

A. W. Hewlett, '00.
P. M. Dawson, '98.
U. J. Wile, '07.

Detroit, ... 7

J. R. Carr, '04.
G. L. Conner, '01.
R. Conner, '01.
N. S. Ferry, '02.
C. R. Meloy, '06.
B. R. Schenck, '98.
H. N. Torrey, '06.

Kalamazoo, ... 1

B. N. Epler, '99.

Minnesota:

Ceylon, ... 1

R. T. Edwards, '04.

Duluth, ... 2

A. L. McDonald, '05.
J. A. Winter, '06.

Fergus Falls, ... 1

K. J. Lee, '04.

Keewatin, ... 1

C. F. Carstens, '08.

Minneapolis, ... 6

H. W. Cook, '02.
A. E. Johann, '10.
M. P. Sims (Ulrich), '01.
C. N. Spratt, '01.
H. L. Ulrich, '01.
C. B. Wright, '02.

Rochester, ... 3

E. F. Butler, '10.
H. Z. Griffin, '04.
W. C. McCarty, '04.

St. Paul, ... 1

E. D. Simpson, '12.

Missouri:

Columbia, ... 2

W. J. Calvert, '98.
D. H. Dolley, '02.

Deering, ... 1

D. W. Luten, '11.

Kansas City, ... 5

W. W. Duke, '08.
M. Rohde, '12.
E. H. Schorer, '06.
H. F. Van Orden, '10.
J. H. Whitcraft, '10.

St. Louis, ... 18

L. K. Baldauf, '05.
J. S. Brotherhood, '08.
W. M. C. Bryan, '02.
J. R. Caulk, '06.
G. S. Drake, '01.
J. Erlanger, '99.
A. O. Fisher, '09.
R. F. Fisher, '12.
M. A. Frankenthal, '02.
R. Hopkins, '03.
H. McCulloch, '12.
D. H. Morse, '10.
S. T. Nicholson, '10.
E. L. Opie, '97.
M. H. Post, Jr., '12.
E. Sachs, '04.
J. C. Salter, '01.
H. J. Storrs, '04.

Montana:

Butte, ... 2

C. H. Horst, '02.
A. Karsted, '02.

Great Falls, ... 1

W. S. Bole, '10.

Nebraska:

Omaha, ... 1

M. Langfeld, '98.

Nevada:

Tonopah, ... 1

P. J. McDonnell, '08.

New Jersey:

Elizabeth, ... 1

H. H. Robinson, '10.

Franklin Furnace, ... 1

F. P. Wilbur, '06.

Montclair, ... 1

F. G. Porter, '08.

Orange, ... 4

C. T. Brown, '07.
T. W. Harvey, '09.
K. Porter, '98.
E. N. Riggins, '02.

Roselle, ... 1

E. H. Blauvelt, '03.

New Mexico:

Taos, ... 1

M. B. Walker (Williams), '01.

New York:

Albany, ... 5

J. M. Berry, '01.
A. W. Elting, '98.
C. H. Pelton, '12.
J. A. Sampson, '99.
C. K. Winne, '01.

Auburn, ... 1

H. I. Davenport, '05.

Binghamton, ... 2

A. S. Chittenden, '00.
M. J. Ross, '07.

Brooklyn, ... 13

W. S. Bennett, '11.
C. F. Bookwalter, '10.
G. E. Brockway, '11.
E. B. Carter, '11.
J. T. Flanagan, '08.
H. L. Gray, '06.
L. A. Lynch, '03.
W. H. Maddren, '01.
R. E. Moore, '06.
J. F. Morrison, '04.
C. E. Rynd, '11.
A. C. Weakley, '12.
B. E. Wolfort, '06.

Buffalo, ... 9

H. Adsit, '06.
J. L. Butsch, '12.
A. H. Clark, '03.
W. H. Glenny, '02.
F. C. Goldsborough, '03.
J. S. Lewis, '06.
I. P. Lyon, '97.
J. S. McFarland, '02.
G. T. Tyler, '04.

Canandaigua, ... 1

R. Sanderson, '10.

Clifton Springs, ... 1
F. R. Crawford, '11.

Cortland, ... 1
R. P. Higgins, '05.

Ft. Porter, ... 1
E. C. Hill, '07.

Ft. H. G. Wright, ... 1
J. R. Bosley, '01.

Glens Falls, ... 1
M. L. Haviland, '02.

Governor's Island, ... 1
H. Beeuwkes, '06.

Liberty, ... 1
H. B. Neagle, '03.

Loomis, ... 1
C. W. Mills, '08.

Long Island City, ... 1
S. A. Marshall, '02.

New Brighton, ... 1
C. R. Kingsley, '09.

New Rochelle, ... 1
O. H. Schell, '04.

New York City, ... 81
E. M. Armstrong, '10.
J. Auer, '02.
F. W. Bancroft, '06.
J. V. Bedinger, '11.
J. E. Bigelow, '12.
E. Boehm, '10.
P. M. Bogart (Mrs. Van Voast), '06.
J. R. Booth, '11.
C. T. Brown, '07.
M. T. Burrows, '09.
C. C. Cody, Jr., '10.
T. H. Coffen, '06.
R. I. Cole, '99.
E. V. Coolahan, '08.
B. S. Denzer, '10.
W. T. DeSautelle, '11.
T. A. Devan, '10.
A. R. Dochez, '07.
R. U. Drinkard, '08.
R. L. Engle, '10.
N. B. Foster, '02.
W. R. Frantz, '12.
H. M. Gallagher, '11.
F. M. Hanes, '08.
W. E. Hart, '09.
T. W. Hastings, '98.
W. H. Hawkins, '11.
R. F. Hegeman, '10.
W. P. Healy, '00.
R. W. Hellenbrand, '07.
E. S. Hellweg, '07.
J. Hemenway (Mrs. J. H. Kenyon), '04.
W. B. Hetfield, '11.
M. C. Hill, '08.
J. M. Hitzrot, '01.
J. G. Hopkins, '07.
N. B. Jenison, '11.
N. M. Keith, '11.
W. E. H. Krechting, '06.
L. B. Lange, '11.
G. U. Light, '98.
H. D. Long, '03.
W. T. Longcope, '01.
W. G. Lough, '12.
O. S. Lowsley, '12.
W. G. MacCallum, '97.
B. Mann, '09.
W. H. Manwaring, '04.
C. Meltzer (Auer), '00.
N. Mills, '12.
D. E. Monroe, '10.
J. B. Murphy, '09.
W. B. Newcomb, '10.
T. G. Orr, '10.
C. A. Potter, '11.
R. S. Preston, '08.
S. I. Rainforth, '03.
C. D. Reid, '12.
C. Ricksher, '05.
G. C. Robinson, '03.
A. S. Rosenfeld, '11.
F. P. Rous, '05.
A. Rucker, '11.
D. M. Sawyer, '11.
O. M. Schloss, '05.
M. Seagrave, '11.
M. B. Sponsler, '11
R. L. Stacy, '08.
A. R. Stevens, '03.
E. Stillman, '11.
H. R. Stone, '04.
A. Strauss, '12.
B. T. Terry, '04.
H. C. Thacher, '06.
W. M. Thalhimer, '08.
E. E. Walker, '98.
G. W. Warren, '01.
M. Warren, '00.
D. B. Wells, '12.
J. K. Wiener, '11.
J. A. Wood, '12.

Ogdensburg, ... 1
R. H. Dunning, '11.

Olean, ... 1
R. B. Morris, '10.

Otisville, ... 1
W. H. White, '07.

Port Chester, ... 1
G. Sands, '98.

Rochester, ... 5
S. J. Appelbaum, '08.
C. W. Hennington, '06.
C. L. Hincher, '07.
N. G. Orchard, '07.
H. S. Schumacher, '07.

Roslyn, L. I., ... 1
J. K. Worthington, '08.

Saranac Lake, ... 3
L. Brown, '00.
A. K. Krause, '07.
J. L. Nichols, '97.

Schaghticoke, ... 1
A. E. Beale, '00.

Syracuse, ... 5
L. D. Bristol, '07.
O. H. Cobb, '06.
A. Dutcher, '01.
F. M. Meader, '09.
H. S. Steensland, '99.

Troy, ... 2
H. W. Carey, '01.
H. P. Sawyer, '06.

Utica, ... 5
F. H. Church, '06.
J. W. Clarke, '02.
J. W. W. Dimon, '09.
F. R. Ford, '05.
F. T. Owens, '07.

West Point, ... 1
C. D. Cowles, '05.

White Plains, ... 1
H. W. Smith (Brown), '11.

Yonkers, ... 2
R. B. Scofield, '07.
W. J. Vogeler, '04.

North Carolina:

Asheville, ... 1
F. W. Griffith, '06.

Chapel Hill, ... 1
W. H. Brown, '07.

Charlotte, ... 1
A. G. Brenizer, '08.

Ft. Caswell, ... 1
E. S. Moore (McKinney), '01.

Greensboro, ... 1
W. F. Cole, '09.

Laurinburg, ... 1
R. Duffy, '02.

Raleigh, ... 1
C. A. Shore, '07.

Salisbury, ... 1
J. A. Caldwell, '04.

Wilmington, ... 2
J. Akerman, '00.
R. B. Slocum, '05.

Winston-Salem, ... 2
E. P. Gray, '06.
A. de T. Valk, '10.

North Dakota:

Fargo, ... 1
M. P. Rindlaub, '05.

Willow City, ... 1
H. L. Youtz, '05.

Ohio:

Canton, ... 1
C. A. LaMont, '08.

Cincinnati, ... 5
W. F. Jelke, '02.
E. F. Malone, '07.
M. E. Nast (Wherry), '06.
W. O. Pauli, '07.
P. G. Woolley, '00.

Cleveland, ... 23
M. B. Bonta, '04.
C. A. Bowers, '12.
W. D. Fullerton, '11.
J. E. Gammon, '12.
E. L. Gilcreest, '10.
F. A. Glass, '12
E. O. Grant, '11.
H. Hempstead, '05.
J. A. Hunnicutt, '11.
T. S. Keyser, '11.
L. W. Ladd, '99.
S. L. Ledbetter, '10.
D. Marine, '05.
H. W. Masenhimer, '08.
W. H. Norton, '10.
R. G. Perkins, '98.
W. B. Rogers, '10.
O. T. Schultz, '03.
H. G. Sloan, '06.
J. T. Smith, '07.
C. W. Stone, '05.
H. L. Taylor, '10.
H. R. Wahl, '12.

Columbus, ... 1
J. J. Coons, '02.

Corning, ... 1
H. L. Conner, '10.

Jefferson, ... 1
H. Dudley, '03.

Nelsonville, ... 1
H. L. Connett, '09.

Oxford, ... 1
H. M. Moore, '99.

Springfield, ... 1
C. L. Jones, '03.

Toledo, ... 3
L. F. Smead, '05.
C. G. Souder, '07.
A. L. Steinfeld, '01.

Youngstown, ... 1
H. C. Evans, '00.

Oklahoma:

Ft. Sill, ... 1
T. L. Ferenbaugh, '09.

Guthrie, ... 1
F. Y. Cronk, '07.

Oregon:

Portland, ... 5
H. B. Fenton, '10.
J. F. Ortschild, '06.
S. W. Schaefer, '09.
L. Selling, '08.
O. B. Wight, '02.

Panama:

Ancon, ... 1
A. B. Herrick, '98.

Panama City, ... 2
W. J. Weese, '11.
C. M. Winn, '11.

Pennsylvania:

Altoona, ... 1
E. G. Birge, '07.

Bethlehem (South), ... 1
W. L. Estes, '09.

Bradford, ... 1
P. R. Straight, '06.

Erie, ... 2
B. S. Putts, '06.
T. P. Tredway, '10.

Greencastle, ... 1
T. H. Gilland, '11.

Hanover, ... 1
E. W. Stick, '09.

Harrisburg, ... 1
R. F. L. Ridgway, '06.

Johnstown, ... 1
D. P. Ray, '07.

Lebanon, ... 1
G. R. Pretz, '09.

Newville, ... 1
P. W. McLaughlin, '07.

Philadelphia, ... 15
W. H. Blakeslee, '01.
F. C. Child, '09.
J. Collinson, '10.
E. M. L'Engle, '02.
M. Herrington, '06.
S. D. Ludlum, '02.
B. B. V. Lyon, '07.
J. H. Oppenheimer, '08.
G. Peirce, '07.
D. B. Pfeiffer, '06.
A. Randall, '07.
C. W. Riley, '07.
H. M. Smith, '01.
A. W. Tallant, '02.
L. Tuttle, '07.

Pittsburgh, ... 14
M. H. Baker, '10.
T. Baker, '04.
L. C. Bixler, '03.
C. C. Brown, '12.
W. E. Carson, '07.
R. J. Cary, '12.
A. H. Eggers, '00.
C. C. Hartman, '11.
W. Marshall, '03.
E. A. Miller, '12.
R. T. Miller, '03.
J. W. Sheetz, '10.
P. R. Sieber, '11.
J. S. Willock, '04.

Pottsville, ... 1
M. B. Kingsbury, '06.

Royersford, ... 1
H. Graber, '07.

Wilkes-Barre, ... 2
R. J. Shale, '12.
S. D. Wyckoff, '99.

York, ... 3
C. H. May, '08.
E. W. Meisenhelder, '02.
L. S. Weaver, '04.

Philippine Islands:

Manila, ... 5
E. R. Gentry, '09.
P. K. Gilman, '05.
R. W. Hammack, '11.
T. Lamson, '01.
R. P. Strong, '97.

Rhode Island:

Newport, ... 1
F. Schmitter, '03.

Providence, ... 10
F. D. Bullock, '07.
M. Y. Dabney, '12.
M. S. Danforth, '05.
F. T. Fulton, '99.
H. J. Hoye, '99.
W. E. Leaper, '11.
R. G. McAliley, '11.
J. A. McCann, '08.
E. A. Stone, '00.
A. L. Walters, '12.

South Carolina:

Aiken, ... 1
E. S. Cross, '06.

Columbia, ... 1
E. Cooper, '10.

Manning, ... 1
M. Weinberg, '10.

South Dakota:

Pierre, ... 1
T. F. Riggs, '03.

Tennessee:

Chattanooga, ... 1
H. Q. Fletcher, '09.

Memphis, ... 1
L. W. Haskell, '03.

Nashville, ... 1
C. E. Brush, '03.

Texas:

Corpus Christi, ... 1
J. D. Cohn, '11.

El Paso, ... 2
W. W. Waite, '06.
M. B. Wesson, '10.

Fort Worth, ... 2
F. C. Beall, '06.
K. H. Beall, '05.

Memphis, ... 1
W. Wilson, '04.

San Antonio, ... 2
R. I. Nixon, '09.
J. L. Robinson, '08.

Utah:

Salt Lake City, ... 1
A. J. Ridges, '08.

Vermont:

Bellows Falls, ... 1
I. H. Prouty, '11.

St. Johnsburg, ... 1
W. G. Ricker, '04.

Virginia:

Abingdon, ... 1
G. V. Litchfield, '02.

Charlottsville, ... 2
H. T. Marshall, '98.
S. H. Watts, '01.

Fairfax, ... 1
H. Fletcher, '00.

Lynchburg, ... 1
J. B. Holmes, '12.

Manchester, ... 1
M. P. Rucker, '03.

Norfolk, ... 3
S. W. Budd, '09.
G. E. Chinn, '03.
J. M. Love, '04.

Onley, ... 1
W. F. Kellam, '06.

Richmond, ... 4
A. W. Freeman, '05.
W. H. Higgins, '08.
K. E. Miller, '12.
V. Vanderhoof, '05.

Roanoke, ... 5
C. L. Andrews, '12.
O. C. Foote, '12.
G. B. Lawson, '05.
H. R. McAllister, '12.
R. L. Rhodes, '10.

Soldiers' Home, ... 1
J. R. Frow, '08.

Washington:

Everson, ... 1
G. E. Rehberger, '05.

Garfield, ... 1
G. M. MacGregor, '02.

Seattle, ... 6
C. F. Davidson, '07.
H. J. Davidson, '05.
I. B. Green, '07.
E. C. Gross, '11.
E. R. Kelley, '06.
H. J. Knott, '11.

Spokane, ... 1
F. Hinman, '06.

West Virginia:

Charleston, ... 1
G. H. White, Jr., '06.

Fairmont, ... 1
C. M. Ramage, '10.

Morgantown, ... 2
J. N. Simpson, '02.
C. E. Watson, '10.

Stotesbury, ... 1
C. G. Merriam, '11.

Wheeling, ... 1
J. E. Burns, '08.

Wisconsin:

Beloit, ... 1
E. B. Brown, '06.

Eau Claire, ... 1
H. F. Derge, '08.

Green Lake, ... 1
A. J. Wiesender, '09.

Madison, ... 7
C. R. Bardeen, '97.
C. H. Bunting, '01.
J. A. E. Eyster, '05.
A. S. Lovenhart, '03.
N. O. Nelson, '04.
D. M. Reed (Mendenhall), '07.
C. M. Swett (Bunting), '01.

Menomine, ... 1
A. Egdahl, '04.

Milwaukee, ... 11
C. A. Baer, '05.
P. H. Dernehl, '07.
F. J. Gaenslen, '03.
C. F. Hardy, '02.
A. C. Kissling, '11.
W. L. LeCron, '08.
J. D. Madison, '98.
R. L. Schultz, '12.
L. M. Warfield, '01.
R. G. Washburn, '04.
J. L. Yates, '99.

Wauwatosa, ... 1
H. M. Senseny, '10.

FOREIGN.

Arabia:

Kuwait, ... 1
P. W. Harrison, '08.

Austria:

Vienna, ... 2
M. S. Haynes (Heissig), '02.
R. A. Kocher, '12.

Canada:

Montreal, ... 1
W. W. Francis, '02.

Winnipeg (Man.), ... 1
W. P. Morrill, '08.

China:

Changsha, ... 1
E. H. Hume, '01.

Chaochowfu, ... 1
S. M. Grier (Lesher), '05.

Fen Cho fu, ... 1
P. T. Watson, '07.

Haichow, ... 2
R. Bennett (Morgan), '04.
L. S. Morgan, '04.

Hwai Yuen, ... 1
A. G. Murdoch, '06.

Nanking, ... 1
P. S. Evans, '99.

Peking, ... 3
F. J. Hall, '05.
A. E. Lee, '06.
C. W. Young, '03.

Shanghai, ... 1
H. S. Houghton, '05.

Wei Hsien, ... 1
R. W. Dunlap, '07.

Germany:

Berlin, ... 4
E. M. Girdwood (Peirce), '09.
W. E. Grove, '08.
G. Peirce, '07.
A. Rohde, '10.

Breslau, ... 1
J. W. Rosenfeld, '10.

Freiburg, ... 1
A. F. Mattice, '10.

Marburg, ... 1
R. O. Fuerbringer, '08.

Munich, ... 1
J. R. Miller, '11.

India:

Wai, ... 1
R. Fairbanks (Beals), '00.

Lakawn, ... 1
E. C. Cort, '07.

Persia:

Hamadan, ... 1

M. D. Allen, '10.

Switzerland:

Berne, ... 1

E. R. Wiese, '11.

Turkey:

Constantinople, ... 1

D. C. Walton, '09.

Europe, ... 6

V. B. Appleton, '06.
L. W. Gorham, '10.
T. H. Wenning, '10.
A. W. Morrison, '10.
E. Rosencrantz, '04.
H. Lisser, '11.

GENERAL STATEMENT

The Medical Department of the Johns Hopkins University was opened for the instruction of students October, 1893. It is an integral and coordinate part of the University, and is in the closest affiliation with the Johns Hopkins Hospital, the professors of the various clinical branches being the heads of the corresponding departments in the Hospital.

The required period of study for the degree of Doctor of Medicine is four years. The instruction begins on the morning of the first Tuesday of October. Candidates for admission are required to be present on the preceding Friday (see the Calendar, page 7). The graduating exercises are held on the second Tuesday of June. There are short recesses at Christmas and Easter.

The course of instruction is planned for the professional training of those who have received a liberal education, as indicated by a collegiate degree in arts or science, including a reading knowledge of French and German and adequate training in those branches of science, such as physics, chemistry and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

Throughout the course special emphasis is laid upon practical work in the laboratories and in the dispensary and wards of the hospital. While the aim of the School is primarily to train practitioners of medicine and surgery, it is recognized that the medical art should rest upon a suitable preliminary education and upon thorough training in the underlying medical sciences. The first two years are devoted mainly to practical work, combined with demonstrations, recitations and lectures, in the laboratories of anatomy, physiology, physiological

chemistry, pharmacology, pathology and bacteriology. During the last two years the student is given abundant opportunity for the personal study of sick patients, and most of his time is spent in the hospital wards or dispensary, and in the clinical laboratories.

Each year twelve members of the graduating class are appointed to serve as resident house officers in the Johns Hopkins Hospital, and in addition a certain number are afforded the opportunity of serving as "externes" in the Hospital and Dispensary. See "Hospital Appointments" p. 181.

All inquiries should be addressed to the Dean of the Johns Hopkins Medical School.

REQUIREMENTS FOR ADMISSION

As candidates for the degree of Doctor of Medicine the School receives:

I. Those who have satisfactorily completed the Chemical-Biological course which leads to the A. B. degree in this University (Group V. course preliminary to medicine).

II. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have an acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of biology, chemistry and physics, as may be obtained by a year's course in these subjects, when accompanied by laboratory work.*

*While a year's laboratory work in physics, chemistry and biology is accepted as fulfilling the minimum requirements for entrance, attention is called to the fact that in chemistry, at least, this amount of work does not suffice to prepare the student to follow with advantage the chemical side of medical studies. In the preliminary medical course provided in this University, two years of chemical work are required. All intending students are advised to arrange for this amount of laboratory instruction in the subject, including some work in organic chemistry.

III. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and in addition, the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Thus far, no students have been accepted under this special provision.**

Application Blanks. — Application for admission should be made to the Dean, who will furnish blanks, relating to the previous courses of study of the applicant.

The blanks should be filled out and returned promptly, when the applicant will be notified of the probabilities of his acceptance with or without conditions.

Certificates.—Applicants are required to furnish certificates, from officers of the college or scientific schools at which they have studied, as to the courses pursued in physics, chemistry, and biology.

Biology.—In addition to the usual class work, the instruction must include a year's laboratory course of six or more hours a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

Chemistry.—The minimum requirement is a course in general chemistry for one year. This must include five hours of laboratory work a week throughout the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry."

Physics.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

Latin.—The candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

**Applicants who are deficient in either French or German or in laboratory work in physics, but fulfill the requirements in other respects, may be admitted conditionally, on the understanding that the condition must be absolved before the beginning of the second year.

Exemption from Entrance Examination.—Those who possess a degree in arts or sciences from an approved college or scientific school, and in addition furnish satisfactory certificates concerning their training in physics, chemistry and biology, with evidence of acquaintance with Latin and a reading knowledge of French and German, are admitted without examination.

Special Workers.—Special workers, not candidates for a degree, will be received at the discretion of the Faculty.

Admission to Advanced Standing

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that medical courses equivalent in kind and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed, and (3) they must pass examinations at the beginning of the session in October in the subjects already pursued by the class to which admission is sought. The applicant must have studied as a matriculated medical student in an approved medical school for a period of time at least equal to that already spent by the class which he seeks to enter. Certificates of standing elsewhere cannot be accepted in place of these examinations.

Persons who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates for that degree from this University. Should further instruction be desired, they are advised to enter as graduate students.

GENERAL PLAN OF INSTRUCTION

Each year is divided into trimesters, the first extending from October to the Christmas recess, the second from January to March 15, and the third from March 15, to the end of the academic year.

As the student upon entrance is required to show evidence of an adequate collegiate training in physics, general chemistry, and general biology, these subjects do not form a part of the curriculum of this school.

The first two years of the course are devoted mainly to the fundamental medical sciences, the larger part of the time being spent in practical work in the laboratories. In the last two years the various clinical branches are studied in the wards of the Hospital, the dispensary, and in the clinical laboratories.

The principal studies of the first year are human anatomy, histology, neurology, bacteriology, physiology, and physiological chemistry.

The study of anatomy and of physiology is continued in the second year, together with general pathology, pathological anatomy and histology, pharmacology, and toxicology. During the last trimester of the second year instruction is begun in physical diagnosis and in certain surgical methods, as an introduction to the clinical work of the succeeding years.

The arrangement of the courses during the first two years follows a definite plan that has two purposes in view: First, to secure that logical sequence of studies which is generally recognized as desirable, and second, to enable the student to concentrate his work at certain periods upon some one subject or upon closely allied subjects. The various studies are not, however, entirely

separated from one another, but are arranged to overlap, so that a student makes a beginning in one subject before he has completed his work in the study that is a natural antecedent to it.

The major portion of the work of these years is obligatory for all students, but the time is so arranged that certain elective courses may be selected; thereby making it possible either to give more time to the obligatory courses, or to do special work along related lines. When any elective course has been selected it must be completed satisfactorily if credit is to be obtained for it.

As the third and fourth years are devoted to practical medicine, they can not be taken up until the student has obtained credit for a prescribed minimum of work in the underlying sciences. At present, thirty units of work are required in the first two years. Each unit is a course or group of courses of instruction equivalent to five hours a week for one trimester, so that it will be necessary for the student to take five units of work, obligatory and elective, during each trimester, in order to complete in two years the requirements for entrance upon the clinical studies. The system, however, permits him to spend an additional trimester or longer in the preparatory work, should it prove necessary or desirable.

The work of the third year is largely obligatory. During this year the student attends the clinics and dispensary exercises in medicine and surgery, and completes the required work in obstetrics, gynecology and nervous diseases.

For the morning work the class is divided into four groups. During the first hour each group receives instruction in obstetrics, gynecology or surgery, and from ten o'clock to noon the time is devoted to practical work in the medical, surgical and nervous departments of the Dispensary. From 12 noon to 1 p. m. the entire class attends the large amphitheatre clinics in medicine or surgery.

The afternoons are devoted mainly to laboratory work in clinical microscopy and surgical pathology. Some instruction is also given in practical therapeutics and pharmacy, thus completing the pharmacological work of the previous year. Moreover, short propadeutical courses are given to familiarize the student with the use of the ophthalmoscope and laryngoscope. On certain afternoons there are also offered a number of short elective courses of a practical character, and each student is required to select from them a sufficient amount of work to give him a credit of one and a half units—the unit for the last two years being defined as a course or group of courses equivalent to six hours a week for one trimester.

In the fourth year, the class is divided into three groups, each working in rotation for one trimester in medicine or surgery, or in certain elective courses. For one-third of their time the students are given an opportunity to vary their studies according to their special needs, and may choose from a large number of elective courses.

Each student must complete 18 units of work during the year, 12 of which are obligatory and 6 elective. The obligatory work consists of six units in medicine, three units in surgery, one unit in ophthalmology, one unit which may be selected from laryngology, dermatology, pediatrics, genito-urinary surgery, orthopedics or neurology, as well as attendance upon a weekly amphitheatre clinic in medicine, and upon a group of lectures in medical zoölogy, psychiatry, hygiene, medical jurisprudence and medical ethics, which together count as one unit.

The elective work is arranged in major, minor and fractional courses. The former occupy 3 or 2½ hours a day throughout one trimester, according as the classes are in the morning or afternoon, and count as 3 or 2½ units respectively. In the minor courses, which count as one unit, one hour a day throughout one trimester or two hours a day for one-half a trimester are devoted to the

subject; while several fractional courses may be combined in order to make one unit. Students choosing these courses must register at the Dean's office and will be expected to perform the work satisfactorily and to submit to an examination at its close. Elective courses must be followed to the end of the trimester, after having been once chosen.

The obligatory work in medicine requires, at least, six hours of work a day for one trimester. The members of the medical group act as clinical clerks in the medical wards of the hospital, a certain number of beds being assigned to each student. They take the histories and keep the notes of cases, and under the guidance and direction of the resident physician make the necessary examinations. They accompany the physician-in-chief or some member of the staff in the daily ward-rounds, write the history of the new patients, are questioned as to the results of their examinations, and receive special bedside and laboratory instruction. In surgery, the student gives three hours a day during one trimester to attendance upon the ward-rounds, operating-rooms and the surgical laboratories. The members of this group take the histories of patients in the wards and act as surgical dressers. They make the morning visits with the surgeon-in-chief or the resident surgeon, and have daily opportunities to become familiar with the diagnosis, management and progress of surgical cases. They witness and assist at operations, and are given an opportunity to take an elective course in operative surgery upon animals.

From the above statements, it will be seen that, the time of each student during the fourth year is divided as follows: trimester A, practical work in medicine during the entire day; trimester B, practical work in surgery during the mornings; and in the afternoons, short obligatory courses in ophthalmology and in one of the special branches of medicine; trimester C, six units of elective work. The courses so elected may continue the practical

work in medicine, surgery, obstetrics, gynecology, etc., or may bear upon the special branches of medicine, or may be taken in the scientific laboratories. Each student, in other words, after completing certain minimal requirements, chiefly in medicine and surgery, may extend his knowledge by taking a number of short clinical courses in different departments, or he may concentrate his attention upon the work of a few departments.

CLINICAL OPPORTUNITIES

Abundant and varied clinical material is afforded by the Johns Hopkins Hospital and Dispensary. The Johns Hopkins Hospital occupies a site of fourteen acres immediately adjoining the grounds of the Medical School; some of the laboratories of the School are in the Hospital buildings. The Hospital is unusually complete and well-equipped. It comprises a large administration building, and separate buildings for the pay-wards, free-wards, dispensary and amphitheatre, laboratories, nurses' home, laundry, kitchen, etc. Practically all of the instruction of the fourth-year class, and most of the work of the third-year class is given in the Hospital and Dispensary.

The Hospital is governed by its own Board of Trustees, and has an ample endowment independent of that of the University and its Medical School, but the relations between the two institutions are of the most intimate kind. The Superintendent of the Hospital and all its chief officers are also members of the Medical Faculty, so that the entire practice in the Hospital is under the control of the professors of the Medical School and their assistants. By this arrangement ample material is obtained for thorough clinical instruction in the various branches of medicine and surgery, including the specialties.

The lying-in department of the Hospital and the out-patient obstetrical service supply opportunities for practical training in obstetrics, and the Harriet Lane Johnstone Home for Invalid Children and the Phipps Psychiatric Clinic, when completed, will afford abundant facilities for instruction in Pediatrics and Psychiatry.

The clinical amphitheatre and operating rooms are in the Surgical building of the Hospital. This building furnishes facilities for the instruction of third and fourth year students in surgery and medicine. It contains, upon the first floor adjoining the dispensary, several operating rooms for accident and minor surgical cases. Upon the third floor a recitation and lecture room is provided, in connection with special rooms for the study of surgical pathology. There are also X-ray rooms, examination rooms, and treatment rooms. In the fourth and fifth stories are the surgical amphitheatre, and several smaller operating rooms, and the necessary preparation, etherizing and recovery rooms. In the basement a suite of rooms is thoroughly equipped for work in genito-urinary surgery.

On the first floor there is a large amphitheatre for the demonstration of medical cases, and various small rooms for those who are pursuing special studies in physical diagnosis. The building also contains the several laboratories belonging to the medical clinic; namely, the general clinical laboratory, the biological laboratory, the physiological laboratory, the bio-chemical laboratory, etc.

The Hunterian Laboratory of Experimental Medicine has been built especially for instruction in pathological physiology and in operative surgery upon animals. It is thoroughly equipped and offers facilities to students for acquiring direct experience in surgical technique and the experimental methods applicable to medical research, under the supervision of competent instructors.

Through the liberality of Mr. Henry Phipps a separate out-patient building has been provided for the care and

study of patients suffering from tuberculosis. This building, which is adjacent to the Dispensary, is not only admirably equipped for the care of patients, but also for the laboratory investigation of the various problems connected with the disease.

The Harriet Lane Home for Invalid Children (See Appendix, XI) will be ready for use during the session of 1911-1912, and will afford abundant facilities for instruction in diseases of children. It is situated on the grounds of the Johns Hopkins Hospital and will be in charge of the Professor of Pediatrics in the Johns Hopkins University. This hospital will accommodate 100 patients and will be provided with an out-patient department.

Through the courtesy of the Supervisors of City Charities of Baltimore, the Johns Hopkins University has the privilege for part of the year of utilizing for clinical instruction the patients in the various departments of the City Hospitals at Bay View. During the first trimester practical instruction in mental diseases is given to the fourth-year class; and during the third trimester the wards of the general and tubercular hospitals will be utilized for the instruction of third-year students in medicine, surgery and pathology.

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, under date of June 12th, 1908, Mr. Henry Phipps of New York, proposed to erect a Psychiatric Hospital in connection with the Johns Hopkins Hospital, to provide for the better care of patients suffering from mental disease, especially in its earlier and curable stage, under conditions similar to those in a general hospital. He offered the funds necessary for the erection of a psychiatric hos-

pital on the grounds of the Johns Hopkins Hospital, to afford accommodation for about sixty patients and to contain the necessary laboratory facilities, hydrotherapeutic apparatus and other modern facilities for treatment, and furthermore, to give to the Johns Hopkins University additional funds for the establishment of a professorship of psychiatry and adequate assistantships thereto for a period of ten years from the opening of the clinic. This generous offer was immediately accepted by the Trustees of the Johns Hopkins University and Hospital, and the respective Boards elected Dr. Adolph Meyer of New York, Professor of Psychiatry on the part of the University and Director of the Clinic on the part of the Hospital. The building thus provided for is now in process of erection, and the clinic will be ready for the admission of patients and for the instruction of students in 1912.

MEDICAL ATTENTION TO STUDENTS

By the action of the Board of Trustees of the University taken March 7th, 1904, the appointment of an official medical adviser to the students of the Medical Department was authorized. This officer is to have a definite hour for consultation, and when requested, is expected to visit in their own homes, such students as are too ill to meet him at his consultation hour, and to obtain, when necessary, the services of specialists for special examination and treatment. This service is without cost to the students, the salary of the Adviser being paid by the University. Dr. F. J. Sladen, Resident Physician to the Hospital and Associate in Medicine in the University, holds this position for the present academic year.

In order to guard more carefully the health of the students, the Advisory Board of the Medical Faculty decided,

in 1909, that all entering students would be asked to undergo a medical examination. A careful physical examination is made and the results are recorded and placed upon file. If the results are unsatisfactory the student is given appropriate advice in regard to his future work. During the month of October each student is expected to report to one of a group of selected physicians for this purpose.

A competent physician has also been appointed to supervise the hygienic conditions of all boarding houses which advertise for the patronage of the students. A list of such houses as satisfy his requirements is posted in the office of the Medical School.

MICROSCOPES

The character of the practical work requires that each student during each year of the course, shall be supplied with a microscope, and every student is recommended to purchase one. Any student who does not possess a microscope may obtain one from the school upon the payment of a small yearly rental. A microscope thus rented is given entirely into the charge of the student, but it must be returned in good condition at the end of the year.

Microscopes are not provided in the graduate courses. A limited number of microscopes including immersion lens, may be rented from the Registrar for these courses, at the rate of $7.00. Those who rent microscopes will be required to deposit $10.00 to cover any possible damage to the stand or lenses. This money will be returned at the end of the course if the microscope is not injured.

REGISTRATION

Students in the undergraduate courses must register at the Dean's office at the beginning of each year and pay their fees for the first trimester.

Graduate students, after receiving permission from the Heads of Departments to enter any course under their supervision, must register at the Dean's office before entering such courses. Upon payment of the requisite fees a card will be issued stating the courses which the holder is entitled to take. This card must be presented to the instructor in charge of each course at the beginning of the class-work in order that the holder may be recognized as a member of the class and receive due credit for the course.

LIBRARIES

The University Library contains 164,593 volumes, selected in recent years with reference to the instruction here given. It is arranged in several collections.

The works relating to medicine are placed in special libraries in the main building of the Hospital and in the Medical School building, and are readily accessible to students and to the workers in the laboratories. The leading medical periodicals of the world are regularly received and complete sets of the more important journals are on the shelves.

Other libraries of Baltimore are the Peabody (181,000 volumes), the Pratt (280,297 volumes), the Medical and Chirurgical Faculty (25,000 volumes), and the New Mercantile (83,000 volumes). With the exception of the last-named these libraries are open to students of the Medical School without charge.

Washington is so near that its libraries and museums may be easily visited. Among the chief institutions of interest to students are: The Smithsonian Institute and National Museum, the Library of Congress, the Army Medical and Surgical Museum, the Library of the Surgeon-General's office, and the Libraries of the Departments and Bureaus.

MEDICAL SOCIETIES

The Hospital Medical Society, the Laennec Society and the Historical Club meet at the Hospital regularly throughout the academic year, and are open to students.

GRADUATE INSTRUCTION

Opportunities may be obtained at all times of the year for graduate instruction by physicians who are graduates of reputable schools. These opportunities vary from year to year and for the different subjects. The details in regard to graduate courses during the present session will be found below at the end of the description of the course of instruction in each department.

PUBLICATIONS

The Bulletin of the Johns Hopkins Hospital, issued monthly, and now in the twenty-third year of its publication, contains articles by those connected with the Medical School and Hospital and the proceedings of the Hospital Societies. The Johns Hopkins Hospital Reports, of which sixteen volumes have been completed, contain the larger monographs and results of researches in the Hospital and the laboratories of the Medical School.

DEPARTMENTS OF INSTRUCTION

The following statements are designed to exhibit the opportunities and the character of the instruction and practical work in each department.

Anatomy

Franklin P. Mall, M. D., Professor of Anatomy.
Warren H. Lewis, M. D., Associate Professor of Anatomy.
Florence R. Sabin, M. D., Associate Professor of Anatomy.
Herbert M. Evans, M. D., Associate Professor of Anatomy.
Eliot R. Clark, M. D., Associate in Anatomy.
Charles R. Essick, M. D., Associate in Anatomy.
George B. Jenkins, M. D., Assistant in Anatomy.
——————————— Assistant in Anatomy.

Courses of instruction are provided in various anatomical sciences—embryology, histology, microscopic anatomy, neurology and gross human anatomy—and opportunities are afforded for advanced work and investigation in these sciences.

The required courses (I, II and III) for candidates for the degree of Doctor of Medicine may be completed during the first year of the medical course.

Students who have completed the required course in anatomy may elect any of the courses in this department.

Physicians and students not candidates for a medical degree may be admitted to any of the courses by special arrangements with the instructors and may undertake advanced work and original research.

Required Courses

I. Systematic Course in the Anatomy of the Human Body. Professor Lewis, Dr. Clark, Dr. Essick and Dr. Jenkins. Autumn trimester, daily, 9-12. Three units.

In courses I and II the student makes a complete dissection of all the structures, using atlases and text-books as guides. The work of each student is largely independent.

II. Systematic Course in the Anatomy of the Human Body. Continuation of Course I. Professor Lewis, Dr. Clark, Dr. Essick and Dr. Jenkins. Winter trimester, daily, 9-12. Three units.

III. Histology (laboratory). Professor Mall, Professor Sabin and Professor Evans. Monday, Wednesday and Friday, 2-5. Lectures, Professor Sabin, Thursday, 2-3 Autumn trimester. Two units.

Elective Courses

IV. Lectures on Neurology. Professor Sabin. Winter trimester. Tuesday, 2-3. One-fifth unit.

V. Neurology. Professor Sabin, Professor Mall and Professor Evans. Winter trimester. Monday and Wednesday afternoons, 2-5. One and one-fifth units.

VI. Conference in Anatomy. Professor Lewis. Autumn and Winter trimesters. Tuesday, 12-1. One-fifth unit each trimester.

VII. Conference in Osteology. Dr. Clark. Autumn trimester. Monday, 12-1. One-fifth unit.

VIII. Study-Room Course in Anatomy. Professor Lewis. Autumn trimester, 10-1. Dr. Clark, Spring trimester, 9-12. One to three units each trimester.

IX. Topographical Anatomy. Dr. Essick. Winter trimester, daily, 10-12. Two units.

X. Anatomy of the Infant. Dr. Clark. Winter trimester, daily 10-12. Two units.

XI. Advanced Embryology. Spring trimester.

XII. Experimental Embryology. Professor Lewis. Spring trimester. Hours to be arranged.

XIII. Advanced Human Embryology. Professor Mall. Autumn, Winter and Spring trimesters.

XIV. Advanced Neurology. Professor Sabin. Spring trimesters, forenoons.

XV. Structure and Development of the Vascular System. Spring trimester. Professor Evans.

XVI. Original Investigation. Autumn, Winter and Spring trimesters, daily.

GRADUATE COURSE

Gross Anatomy. Dr. W. H. Lewis, Fall, Winter and Spring trimesters. Hours arranged with the instructor.

Dissection, study of prepared specimens and of frozen sections. Fee $25.00.

Physiology

William H. Howell, M. D., Professor of Physiology.
Donald R. Hooker, M. D., Associate Professor of Physiology.
Charles D. Snyder, Ph. D., Associate Professor of Physiology.
Frank W. Weymouth, A. B., Assistant in Physiology.

The course in physiology extends from January of the first year to January of the second year. By this arrangement of the course the student is enabled to make considerable progress in anatomy and histology before beginning his work in physiology.

The work consists of a systematic course of lectures covering the subject of animal physiology, experimental work in the laboratory, demonstrations and recitations. The lectures are illustrated by experiments and demonstrations in the lecture room. Recitations are held upon the subject-matter covered by the lectures and laboratory work.

The course as arranged for 1912-1913 is as follows:

I. Physiology of Secretion, Digestion and Nutrition—1912. Dr. Howell, twice weekly from October to January. Second year medical class. One-half unit.

II. Laboratory Course in Experimental Physiology. Drs. Howell, Hooker, and Snyder. Two mornings and two afternoons weekly during the first and the third trimesters. Half of the class takes this course in the third trimester of the first year, and the other half during the first trimester of the second year. This laboratory course is arranged to occupy twelve hours a week for about twelve weeks. Two and one-half units.

III. Physiology of Muscle and Nerve, Central Nervous System, and Special Sense—1913. Dr. Howell, three times weekly during the second trimester. First year medical class. One-half unit.

IV. Physiology of Blood, Circulation and Respiration—1913. Dr. Hooker. Recitations and Demonstrations. Twice weekly during the third trimester. First year medical class. One-half unit.

In addition to the foregoing exercises, students are given opportunities to participate in the more advanced courses, intended primarily as graduate work. These courses are as follows:

V. Journal Club. One hour weekly during the year. Those who participate in the work of this course are expected to report from time to time upon papers of physiological interest that may appear in current journals.

VI. Physiological Seminary. One hour weekly during the year. The object of the Seminary work is to study carefully, by means of lectures or readings, some special part of physiology, the topics chosen varying each year.

VII. Advanced Laboratory Course. This course is not limited as to time or amount of work except that assistance from the professor of physiology must be arranged for by definite engagements. The instruction is given individually and may involve undertaking a definite investigation.

Graduate Courses

Physiology, *Elementary.* (Limited to four.) Laboratory course in experimental physiology during either the first or third trimester.

The work will consist in exercises in the various graphic methods used in physiology to study the properties of muscle and nerve and the circulatory and the respiratory organs. Fee $25.00. Apply to Professor W. H. Howell.

Physiology, *Advanced.* (Limited to two). January to June 1. Professor W. H. Howell.

Individual instruction will be given in the methods used in physiological demonstrations and research. Especial attention will be paid to the methods employed in the study of the circulation. Fee $50.00.

Physiological Chemistry

Walter Jones, Ph. D., Professor of Physiological Chemistry.
Eli K. Marshall, Jr., Ph. D., Assistant in Physiological Chemistry.

Instruction in this branch is given by laboratory work, lectures, demonstrations, and conferences of a less formal character. The work in the laboratory is conducted in two sections which meet in the third trimester of the first year, and in the first trimester of the second year respectively. The exercises are conducted on Tuesdays and Thursdays, from 10 to 1 in the morning, and from 2 to 5 in the afternoon.

I. Laboratory Work. Professor Jones and Dr. Marshall.

(*a*) A short preliminary course on the chemistry of various substances, such as proteids, which are usually not familiar to the students of pure chemistry but which should be understood in order that he may intelligently execute the work that follows.

(*b*) A course of qualitative analysis in which some examination is made of nearly every tissue and fluid of the body. Blood, liver, milk (colostrom), muscle, gastric juice, adipose tissue, bone and bile receive special attention, and whenever material is available a study is made of pathological fluids and concretions. The order adopted in this consideration of the chemical topography of the body is arranged to emphasize so far as possible, the chemical processes which are going on in the body.

(*c*) A study of those physiological chemical processes that can be closely imitated outside the body, as the action of enzymes, salivary, pancreatic, and gastric digestion.

(*d*) Class experiments. Demonstrations by the instructor in which the entire class usually takes part.

(*e*) Quantitative analysis. Determination of normal and pathological constituents of urine; analysis of milk, gastric juice, stomach-washing, air, water, and foods. An attempt is made here to familarize the student with the chemical technique required for metabolism experiments.

(*f*) Examination of the fæces with special references to putrefactive processes.

II. Conferences. Professor Jones and Dr. Marshall. Informal conferences are held at which the laboratory work is discussed and the progress and needs of the students are considered. Here also the late literature that bears directly on the work is reviewed.

III. Lectures. Professor Jones. A brief survey of the entire province of physiological chemistry. Emphasis is given to that part of the subject which for obvious reasons must be omitted from a laboratory course.

IV. Organic Chemistry. Dr. Marshall. An elective course consisting of two lectures a week during the first trimester. Thursday and Friday, 12 to 1 p. m. Two-fifths unit.

Graduate Courses

PHYSIOLOGICAL CHEMISTRY, *Elementary.* March 15 to June 1, every afternoon. Professor Jones and Dr. Marshall.

A limited number of physicians or others who have had the requisite preliminary training in chemistry will be received for the laboratory course and lectures given to the medical students. Fee $25.00.

PHYSIOLOGICAL CHEMISTRY, *Advanced.* Professor Jones and Dr. Marshall.

Those who have the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year. Fee $50.00, for the entire year.

PHARMACOLOGY AND PRACTICAL THERAPEUTICS.

TOXICOLOGY AND PHARMACY.

JOHN J. ABEL, M. D., Professor of Pharmacology.
CARL VOEGTLIN, Ph. D., Associate Professor of Pharmacology.
LEONARD G. ROWNTREE, M. D., Associate in Experimental Therapeutics.
....., Assistant in Pharmacology.
....., Instructor in Pharmacy.

I. PHARMACOLOGY. An elective course in this subject occupying one afternoon a week is offered in the second trimester of the year. The physiological action of a selected list of drugs and poisons is made the subject of this course and the afternoon's work, performed by the student under the immediate supervision of the instructor, is preceded by brief statements of the significance and bearing of the experiment in hand. The aim of this course is to give a clear idea of the general principles and of the more important phenomena involved in the study of pharmacology.

During the second trimester a course of lectures with demonstrations and recitations covering the subject of pharmacology is given from 9 to 10 a. m. three days, and from 12 to 1, two days of the week. It is the purpose of this course to treat the subject in a manner adapted to the needs of the medical student. As this course requires much outside reading it will be estimated at one and two-fifths units.

II. Therapeutics. Dr. Leonard G. Rowntree. The course extends through the third and fourth years. It consists of practical demonstrations as far as possible.

In the third year the course consists largely of the study of methods. Practical therapeutic measures, such as hydrotherapy, bleeding, etc., are demonstrated. The various groups of medicines, for example diuretics, are taken up and their indications discussed. In the fourth year the work is a continuation of that in the third year. The general care of patients in the treatment of special diseases is considered. The diets of patients and the methods of preparing the simpler foods are described. As far as possible the work is practical and is given in connection with the course in general medicine, so that the study of treatment goes along with the regular clinical work.

III. Toxicology. An elective laboratory course in this subject is offered in the second trimester. The course occupies one afternoon a week during the trimester and deals with the subjects both from the chemical and medical points of view.

IV. Pharmacy. Pharmacy is treated by a special instructor, in a course of demonstrations and lectures, once weekly for three months. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopœial preparations are fully dealt with. The more important preparations are made before the class.

V. Practical Course in Pharmacy. An elective course designed especially for students in the third year. Friday afternoon, 2 to 4.30. Second trimester. All typical pharmacopœial preparations are made and all typical prescriptions are compounded by each student. One-half unit.

Graduate Course

Pharmacology and Experimental Therapeutics, *Advanced.* Professor J. J. Abel and Drs. Voegtlin and Rowntree.

Those who have had the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year.

Pathology and Bacteriology

William H. Welch, M. D., Professor of Pathology.
William W. Ford, M. D., Associate Professor of Hygiene and Bacteriology.
George H. Whipple, M. D., Associate Professor of Pathology.
Milton C. Winternitz, M. D., Associate in Pathology.
*John H. King, M. D., Associate in Pathology.
Thomas P. Sprunt, M. D., Associate in Pathology.
Lloyd P. Shippen, M. D., Instructor in Hygiene and Bacteriology.
David M. Davis, M. D.
Benj. S. Kline, M. D. } Assistants in Pathology.
Holland N. Stevenson, M. D.
Harry C. Schmeisser, M. D., Fellow in Pathology.

General and special pathological anatomy and histology, general pathology, and bacteriology are taught by laboratory work, demonstrations, recitations and lectures. The courses in pathology come in the first and second trimesters of the second year; those in bacteriology in the third trimester of the first year. The laboratory work occupies three half-days a week.

I. The Conduct of Autopsies. Drs. Whipple, Winternitz and Staff. The autopsies are made in the Patho-

*Absent on leave.

logical building and are witnessed by the students of the second, third and fourth years. Students are permitted to assist at post-mortem examinations and are instructed in the methods of making such examinations and of recording the results in proper protocols.

II. Demonstrations in Gross Morbid Anatomy. Drs. Whipple, Winternitz and Staff, 12-1, twice a week in two divisions during the 1st and 3rd trimester, and three times a week in three divisions during the 2nd trimester. The gross morbid specimens, collected during the week, are demonstrated to students of the second year. In addition, fresh and museum specimens are exhibited in the course in pathological histology to illustrate the macroscopical appearances of the morbid conditions studied by the microscope.

III. Bacteriology. Professor Welch, Professor Ford and Dr. Shippen, third trimester (March 15 to June 1), Monday, Wednesday and Friday mornings, first year class. This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining, and studying bacteria, the biological examination of air, water, and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered.

IV. Lectures on Infection and Immunity. Professor Welch, Wednesdays and Fridays, 4 to 5, third trimester, first year class. During the months of practical work in bacteriology lectures are given devoted mainly to the consideration of subjects pertaining to infection and immunity.

V. General Pathology, Pathological Anatomy and Pathological Histology. Professor Welch, Professor Whipple and Drs. Winternitz, Kline, Davis and Stevenson. Monday, Wednesday and Friday afternoons, 2 to 5, during the first and second trimesters, second year

class. The subjects are covered, as far as practicable, by demonstrations, lectures and laboratory work. Pathological histology is taught as a part of pathological anatomy, the description and demonstration of gross lesions being followed by their miscroscopical examination.

VI. Recitations. Professor Welch, Mondays at 12, throughout the year. Weekly recitations cover the work done by the students of the first and of the second years in their laboratory exercises, in bacteriology and in pathology, as well as subjects treated in lectures and those reserved more especially for text-book study.

VII. Advanced Work and Special Research. Opportunity is afforded to those suitably trained to pursue advanced work and special research in pathological anatomy and histology, experimental pathology, and bacteriology. For these purposes the pathological laboratory is equipped with the necessary apparatus and material.

Experimental Pathology

George H. Whipple, M. D., Associate Professor of Pathology.
David M. Davis, M. D., Assistant in Pathology.

The department of experimental pathology has been established, on the basis of courses already given, for the purpose of giving instruction concerning the abnormal activities of organs which result from pathological lesions.

This work is largely experimental and obviously closely allied to experimental medicine and physiology. The course will consist of informal lectures, experiments, operations and demonstrations given during the second trimester on Thursdays 9-12 a. m.

The main object of the course is to give students elementary training in the *methods of research*: not to give a fixed series of demonstrations dealing with any one organ or system. The exercises will be concerned chiefly with the problems which are interesting the workers at the Hunterian Laboratory so that the entire group may

be familiar with all the problems under investigation. For this reason it is desired that the students taking this course may proceed with independent investigation of problems which are closely related to the work already in progress. Facilities for this work will be available during the entire year. Room is available for a limited number of advanced workers who may desire to investigate problems in experimental pathology.

Graduate Courses

PATHOLOGY. A limited number of physicians will be received during the year in the courses in bacteriology and pathology. Fee for the entire year $50.00, fee for half year $25.00. Apply to Professor W. H. Welch.

PATHOLOGY, *Elementary.* Prof. G. H. Whipple, May 1 to July 1. (Limited to ten.) Three afternoons a week. Lecture and laboratory exercises in general pathological histology.

This course will not be given if less than five register. Applications must be received before April 15. Fee $50.00.

HYGIENE. Professor W. W. Ford. A limited number of graduates is admitted to the laboratory course in Hygiene. Fee $50.00.

Medicine (Including Work in the Clinical Laboratories)

Lewellys F. Barker, M. D., Professor of Medicine.
William S. Thayer, M. D., Professor of Clinical Medicine.
Thomas B. Futcher, M. B., Associate Professor of Medicine.
Thomas R. Boggs, M. D., Associate Professor of Medicine.
Frank R. Smith, M. D., Associate in Medicine.
Louis P. Hamburger, M. D., Associate in Medicine.
Thomas R. Brown, M. D., Associate in Medicine.
Louis V. Hamman, M. D., Associate in Medicine.
Arthur D. Hirschfelder, M. D., Associate in Medicine.
William L. Moss, M. D., Associate in Medicine.
Frank J. Sladen, M. D., Associate in Medicine.
Jacob Hall Pleasants, M. D., Instructor in Medicine.
Joseph A. Chatard, M. D., Instructor in Medicine.
John A. Luetscher, M. D., Instructor in Medicine.
Henry Lee Smith, M. D., Instructor in Medicine.
Charles W. Larned, M. D., Instructor in Medicine.
Samuel Wolman, M. D., Instructor in Medicine.
Harry S. Greenbaum, M. D., Instructor in Medicine.
Paul W. Clough, M. D., Instructor in Medicine.
Clyde Graeme Guthrie, M. D., Instructor in Medicine.
Eugene J. Leopold, M. D., Assistant in Medicine.
David I. Macht, M. D., Assistant in Medicine.
George S. Bond, M. D., Assistant in Medicine.
John T. Sample, M. D., Assistant in Medicine.
Charles R. Austrian, M. D., Assistant in Medicine.
Walter A. Baetjer, M. D., Assistant in Medicine.
Martin F. Sloan, M. D., Assistant in Medicine.
Ralph H. Major, M. D., Assistant in Medicine.
Sydney R. Miller, M. D., Assistant in Medicine.
Helen Watson, M. D., Assistant in Medicine.

The teaching is in the dispensary, in the clinical laboratories, in the wards, and in the clinical amphitheatre. In place of systematic didactic teaching, there has been introduced a plan of practical instruction, by which the student is brought directly in contact with the patients, and taught, from the outset, how to recognize, and treat, disease, as it occurs in nature, not in books.

A. Primarily for Students of the Third Trimester of the Second Year.

1. Introduction to the Study of Clinical Medicine. Lecture course by Professor Barker. This course will deal especially with "The Art of Examining Patients." Wednesdays, at 9 a. m.

2. Elementary Physical Diagnosis. Professors Thayer and Futcher and Dr. Hamman, assisted by Drs. F. R. Smith, Hamburger, Pleasants, Chatard, Larned, H. L. Smith, Greenbaum and Macht, after March fifteenth, Mondays, Tuesdays, Wednesdays and Thursdays, 10 a. m.

This course consists of demonstrative and practical exercises, illustrating the simpler methods of physical exploration of the normal organs of the chest and abdomen, especial attention being paid to topographical percussion.

In connection with this course, a series of demonstrations to illustrate the surface and other relationships of the thoracic and abdominal viscera will be given on the cadaver.

3. Medical Physiology. Dr. Hirschfelder. Lectures and demonstrations on man and animals, introductory to the study of clinical medicine. Mondays, 2-5 p. m. Third trimester.

4. Applications of Biology to Internal Medicine. Dr. Clough. One lecture weekly.

5. Applications of Pharmacology to Internal Medicine. Dr. Rowntree. One lecture weekly.

6. Applications of Chemistry to Internal Medicine. Dr. Sellards. One lecture weekly.

B. Primarily for Students of the Third Year.

7. General Physical Diagnosis. In sections, Mondays, Wednesdays, Thursdays and Saturdays from 10-12.

The course is in charge of Associate Professor Futcher with the assistance of Associate Professor Boggs, Drs.

F. R. Smith, Brown, Hamburger, Hamman, Pleasants, Leutscher, Chatard, H. L. Smith, Larned, Greenbaum, Wolman, Leopold, Macht and Sloan.

a. In the first half-year, practical and demonstrative exercises in history-taking, and in physical diagnosis of diseases of the chest, are held.

The class is divided into groups, comprising five or six students. Each section has two exercises, of two hours, each, a week. The exercises are held in the dispensary and consist in the practical study of the physical signs of diseases of the heart and lungs.

During the first half of the year, on four days of the week, a quarter of the class, in rotation, spends two hours in the dispensary, getting practical instruction in history taking.

b. In the second half-year:

ba. Dispensary practice. During the second half-year, the students take part in the regular dispensary practice. Each case coming to the dispensary is assigned to a student, who takes the history, makes the physical examination, and reports to one of the instructors, who reviews his work. Each section has one exercise, of two hours, a week.

After March 15, the third-year students will obtain practical instruction in physical diagnosis at City Hospital and Bay View. This work will be under the direction of Associate Professor Boggs and assistants.

bb. Practical demonstrative exercises in physical diagnosis of diseases of the abdomen. The class is divided into four sections, each section having one exercise of two hours a week.

c. Weekly recitations on physical diagnosis, on Fridays, 11-12 m. The entire third year class meets Associate Professor Futcher, once a week, for an hour's recitation. In this exercise, the ground passed over in the earlier courses is covered in a systematic manner.

8. Weekly Recitations on General Medicine. Tuesdays, 4.30 to 5.30, October to January 1; Wednesdays, 4.30 to 5.30 p. m., January 1 to June 1. The subjects are assigned and the recitations conducted by the Resident Physician, Dr. Sladen, or by some other member of the staff.

9. General Symptomatology of Disease. Professor Barker, Professor Thayer and Associate Professor Futcher. At twelve o'clock on Monday, Wednesday and Thursday, the students of the third year meet for a general clinic in the medical amphitheatre. The students, in rotation, examine selected cases. The teaching consists in (*a*) thorough consideration of the clinical features of the case; (*b*) brief discussion of the symptoms; (*c*) reports by each student upon the case which he examines and whose further progress he follows, either by personal visits outside, or, if the patient is admitted to the Hospital, by observation in the wards; (*d*) on the last class day of each month a clinical "round-up," when the student, whose turn it happens to be, reports on the work of the month; (*e*) short papers on definite themes given to the students and relating to subjects which come up in the course of the examination of patients.

10. Summer Work in Dispensary. After the completion of the third year the students have an opportunity to assist in the dispensary during the summer months. Dr. T. B. Futcher arranges the rotation of the groups, and with the other members of the department, gives instruction in the method of taking histories and making examinations.

11. Laboratory Diagnosis. Dr. Guthrie, assisted by Dr. Miller, conducts, throughout the session, during two afternoons of the week, a class in microscopical and chemical diagnosis. The course is a systematic one, in which the students are trained in the methods of examining blood, sputum, gastric contents, urine, fæces, etc. Considerable work is required outside the regular class

hours. The required course extends from October to March 15.

One of the large rooms of the clinical laboratory is devoted exclusively to the third year students. Each student has his own place in the laboratory, with locker, microscope, reagents, etc.

12. Advanced Work in Laboratory Diagnosis. An elective course in the third trimester. Two afternoons a week for one-half trimester. Dr. Guthrie.

13. The Saturday Clinic. On Saturday at 12, the third year students meet with those of the fourth year for Professor Barker's clinic in the medical amphitheatre of the Hospital. Cases of especial interest are shown and discussed.

14. Clinical and Pathological Conference. On Friday at 4.30 p. m., a clinical and pathological conference is held by Professor Thayer and Dr. Whipple, to which the third year students are invited. This is set forth in the description of the fourth year work.

15. Clinical Work at Bay View, third trimester. Dr. Boggs.

C. Primarily for Students of the Fourth Year

The students are divided into three equal groups, each group serving for three months, successively, in the medical, surgical, and elective divisions of the Hospital, and visiting the special departments of the dispensary.

16. Ward Work. Of the three groups into which the class is divided, the members of the medical group serve for three months as clinical clerks in the medical wards of the Hospital. A number of beds are assigned to each student, who takes the history of new cases, keeps the notes, and, under the guidance and direction of the medical staff, makes the necessary examinations. The clinical clerks have access to the wards from 8 a. m. to 6 p. m. They accompany the professors in the ward visits,

read the histories of new cases, are questioned as to the results of their examinations, and receive special instruction.

Each student during the trimester, in addition to the ordinary routine work, is encouraged to make studies with some especial method and to make a report of his experiences with it.

17. Ward Classes. Forenoons, the ward visits are made by the professors and their assistants. The members of the class are taught the methods of examination, the progress of the cases is followed, and instruction is given in the methods of treatment.

18. The Saturday Clinic. At 12 o'clock, on Saturdays, the fourth year students attend a general medical clinic given by Professor Barker in the amphitheatre. The clinical clerks read the histories of the new cases brought before the class, and report on the progress of cases previously shown.

19. Laboratory Diagnosis. A large room of the clinical laboratory is devoted exclusively to the fourth year class. Here each student has a place with microscope, reagents, etc., throughout the session, and can engage in any special work.

20. Clinical and Pathological Conference. On Friday at 4.30, a clinical and pathological conference is held throughout the academic year by Professor Thayer and Dr. Whipple in the Pathological Laboratory. Abstracts of the histories of the fatal cases with the differential diagnosis made before the autopsy are read. The specimens from the autopsy are then demonstrated, after which there is a general discussion of the case.

21. Nature of Infection and Immunity. Lectures and demonstrations. Two hours per week. Second trimester. Dr. Clough.

22. Special Methods of Investigation of Infectious Diseases. (Physicians and students of third and fourth

year.) Laboratory exercises, two afternoons per week. Second trimester. Dr. Clough.

23. Medical Bacteriology. Drs. Austrian and Major. This elective course is open to a limited number of members of the Medical Section, each trimester. A lecture and demonstration will be given once a week, 2.00 to 3.00 p. m., Tuesday. At suitable times during the week opportunity will be given to a small number to do, under supervision, the bacteriology of the wards. In this way, practical work is possible in blood cultures, agglutinative and other serum tests, cultures from throat, sputum, urine, stool, pleural and pericardial effusions, fluids from the peritoneal cavity and joints, and cerebro-spinal fluids.

24. Elementary Course in the Phipps Dispensary for Tuberculosis. Drs. Wolman and Austrian. First trimester. Two days a week, 10-12. (Any morning except Tuesday or Friday.) Elective course. Limited to four students.

25. Advanced Course in the Phipps Dispensary for Tuberculosis. Drs. Hamman, Wolman and Austrian. Third trimester. Elective Course. Limited to four students.

(a) Clinical portion Tuesdays and Fridays, 10-12 m.

(b) Laboratory portion two afternoons a week from 2-5 p. m.

(c) Seminary, one hour a week, Fridays from 4-5 p. m.

26. Extramural Course in the Study of Tuberculosis. Dr. Gordon Wilson.

27. Diseases of Stomach and Intestines. Elective course. Dr. Brown. Course to be arranged. Second trimester. Third trimester.

28. Physical Diagnosis. Elective course. A study of the ordinary methods as compared with methods using instruments of precision. Drs. Hirschfelder and Bond. Two hours per week. (Time to be announced.)

29. Diagnosis and Treatment of Some Minor Ailments. Elective course. One hour a week. Tuesday, 12-1. Third trimester. Dr. Hamburger.

30. The Symptomatology and Treatment of Diseases of the Ductless Glands. Elective course. One hour a week. Second trimester. Thursday, 12-1. Associate Professor Futcher.

31. Medical Aspects of Joint Diseases. Elective course. One hour a week. First trimester. Tuesday, 12-1. Professor Barker.

32. Clinic in Pulmonary Diseases. Elective course. One hour a week. Monday, 12-1. Third trimester. Dr. Hamman.

33. Advanced Work and Research in Inner Medicine. Students of the third and fourth years may, if well fitted for it, and with the permission of Professor Barker or Professor Thayer, undertake advanced work and research in internal medicine (see below, Medicine, Advanced Work and Research as opposed to graduate students.)

GRADUATE COURSES

University Courses

These courses are of two kinds, elementary and advanced. The elementary course will cover the subject as usually given to undergraduates in medicine, and the work may be done with the medical classes. The advanced courses will be given only to those who are prepared to undertake special studies, and the work will be done under the personal supervision of the instructor in charge of the course.

34. Medicine. *Elementary.* A limited number of physicians will be admitted to the regular class exercise in this subject, including ward rounds, clinics, and the work in the clinical laboratory. Fee $100.00 for the entire year;

$50.00 for a half-year. Applications should be made to Professor Barker.

35. MEDICINE, *Advanced Work and Research.* Physicians properly trained in fundamental methods will be given opportunities for clinical and experimental investigation. The clinical material of the wards and dispensaries as well as the facilities of the clinical laboratories is available for such work. On application to Professor Barker, and presentation of evidence of fitness to undertake advanced work or research, investigations may be carried on in (1) the wards or dispensary (Dr. Sladen, Resident Physician), (2) the general clinical laboratory (Dr. Guthrie in charge), (3) the biological division of the medical laboratory (Dr. Clough in charge), (4) the physiological division of the medical laboratory (Dr. Hirschfelder in charge), (5) the bio-chemical division of the medical laboratory (Dr. Sellards in charge), or (6) in the electrocardiographic station (Dr. Bond in charge). Opportunities are offered for special studies in clinical observation and in experimental pathology and therapy, especially in (*a*) the bacteriology and biology of the infectious processes, (*b*) the graphic registration of the phenomena of disease, and other applications of physiological methods to the solution of unsolved problems of etiology, diagnosis and therapy, arising at the bedside, and (*c*) the application of chemical methods to the elucidation of metabolic problems. The advice and assistance of the professorial staff (Drs. Barker, Thayer and Futcher), are always available to those undertaking original work in the department. Fee $50.00 for the year.

Special Courses in June

36. MEDICINE. Drs. ————, F. J. Sladen and C. G. Guthrie, June 1 to July 1. (Limited to twenty.) Fee $100.00.

This course will not be given if less than eight register. Applications for this course must be sent in not later than May 10.

The whole material of the medical service will be available for this class. Special attention will be given to the study of the general methods used in the clinic.

The course consists of:

I. *Ward Rounds.* From 9 to 11 daily, in which the teaching is entirely clinical. Dr. Sladen.

II. *Physical Diagnosis.* The general methods of diagnosis will be taken up and special attention given to diseases of the thoracic and abdominal organs. At least five hours a week are devoted to this.

III. *Clinical Microscopy and Medical Bacteriology.* Dr. Guthrie, three afternoons—nine hours a week. This course consists of lectures, demonstrations and especially of practical work. All of the available specimens of blood, urine, sputum, gastric contents and stools are studied. The ordinary methods of clinical bacteriology will be demonstrated. (This course is not limited.)

37. Serum Diagnosis. Drs. Clough and Austrian. Beginning June 1st, a four-weeks' course for physicians will be given in the laboratory of the Medical Clinic of the Johns Hopkins University and Hospital on methods of serum diagnosis, with special reference to the Wassermann and Widal and other immunity reactions.

Lectures, demonstrations, and practical laboratory work.

Course limited to ten, preference given to those with previous experience. The course will not be given to less than six physicians. Application should be made before May 25. Fee, $50.00.

38. Percussion and Ausculation. Dr. Louis Hamman. June 1st to July 1st. Limited to six. Fee, $60.00. The course will not be given if less than four apply. The course will consist in a demonstration of the changes in physical signs accompanying disease of the thoracic organs. It is

to be emphasized that the object of the course is not to give clinical instruction in diseases of the lungs and heart, but to point out the physical changes that such diseases produce and to give the student an opportunity to familiarize himself with the commoner methods of detecting these changes. It is aimed to make the course entirely practical. After a few preliminary demonstrations, the students will be given cases to examine, and their results will then be controlled. No lectures will be given.

The course will comprise five exercises a week on Monday, Tuesday, Wednesday, Thursday and Friday from 10 a. m. to 1 p. m. An invitation will be extended, to those desiring it, to spend Saturday mornings in assisting in the routine work of the tuberculosis clinic.

Surgery

William S. Halsted, M. D., Professor of Surgery.
John M. T. Finney, M. D., Professor of Clinical Surgery.
Joseph C. Bloodgood, M. D., Associate Professor of Surgery.
Hugh H. Young, M. D., Associate Professor of Genito-Urinary Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
George Walker, M. D., Associate in Surgery.
Richard H. Follis, M. D., Associate in Surgery.
Frederick H. Baetjer, M. D., Associate in Surgery, in Charge of Actinographic Department.
John T. Geraghty, M. D., Associate in Genito-Urinary Surgery.
Samuel J. Crowe, M. D., Associate in Surgery.
George J. Heuer, M. D., Instructor in Surgery.
N. E. B. Iglehart, M. D., Instructor in Surgery.
Omar B. Pancoast, M. D., Instructor in Surgery.
William A. Fisher, M. D., Instructor in Surgery.
J. Staige Davis, M. D., Instructor in Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Bertram M. Bernheim, M. D., Assistant in Surgery.
Roy D. McClure, M. D., Assistant in Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.

The teaching is in the dispensary, in the wards and operating rooms of the Hospital, in the clinical laboratory and in the Hunterian Laboratory of Experimental Medicine.

A required course is given in the third trimester of the second year, the object of which is to familiarize the students by means of demonstrations and practical exercises with certain points in surgical technique.

The principal subjects of the third year are the general principles of surgery, surgical diagnosis, surgical pathology and operative surgery.

I. Clinics. A weekly clinic is given by Professor Halsted for students in the third and fourth years.

Two clinics weekly are given by Professor Finney for the third year class.

II. Minor Surgery. Professor Finney, with the assistance of Drs. Follis, Iglehart, Pancoast, Davis and Fisher. Twice weekly, in sections, in the dispensary.

III. Surgical Diagnosis and Pathology. Professor Bloodgood, Wednesday, 2-4.30, entire year, whole class. Friday, elective course, 2-4.30 p. m. See special announcement for elective courses, third and fourth years.

IV. Operative Surgery. Elective, once weekly from October to May. A five-hour exercise given to successive sections in the Hunterian laboratory.

V. Recitations. A weekly recitation upon assigned subjects is held by Dr. Follis.

The work of the fourth year consists of:

I. Ward Work. The members of each of the three groups, into which the class of the fourth year is divided, serve for three months in the surgical wards of the Hospital. During this service they take the histories of cases and act as surgical dressers. They witness and assist at operations and have practice in operative surgery.

II. Ward Classes. The students make the morning and other visits to the wards with Professors Halsted, Finney, Young, Baer and the House surgeon, where they receive bedside instruction.

III. Clinics. A weekly clinic, by Professor Halsted, Friday, 12 m. to 1 p. m.

IV. Surgical Operating Room. To each group of fourth-year students the privileges of the private operating rooms are extended for three months.

V. Genito-Urinary Surgery. Professor Young. (For details, see page 159.)

VI. Recitation. Professor Bloodgood. Tuesday, 11 to 12 m. (entire group).

VII. Orthopedic Surgery. Professor Baer. (For details, see p. 164.)

GRADUATE COURSES

Special Courses

SURGICAL PATHOLOGY. Professor J. C. Bloodgood.

Graduate physicians can enter the Surgical Pathological Laboratory at any time for special instruction in Surgical Diagnosis and in the technique of frozen sections and the preparation of Kaiserlin specimens. The work is so arranged that they can spend all or half of the entire time of each day. The fee is $100.

ORTHOPEDIC SURGERY. Dr. W. S. Baer, May 15 to July 15. Monday, Wednesday, Thursday and Saturday, 10 to 12 m. (Limited to ten.) Fee, $50.

A course will be given in the Orthopedic Dispensary from 10 to 12 m. on the days noted, in which the students will be given practical work in the diagnosis and treatment of orthopedic affections. Ward rounds covering this class of cases will be made from 9 to 12 on Monday mornings. Special opportunities as they occur at this and other hospitals will be announced during the course, so that students may be able to witness orthopedic operations.

GENITO-URINARY SURGERY. Dr. H. H. Young. Fee, $100.

A limited number of graduates will be taken for special work in Genito-Urinary Surgery. The course will include clinical and laboratory work, and the student is expected to give his entire time, or most of it, to the department, and to enter for six months or more. Research studies will be encouraged.

X-RAY DIAGNOSIS AND THERAPEUTICS. Dr. F. H. Baetjer. This course is given three times during the year, as follows: Course I, October 15 to December 15; Course II, January 15 to March 15; Course III, April 15 to June 15. (Limited to five in each course.) Fee for each course, $50.

Each course will consist of daily demonstrations from 11 a. m. to 12.30 p. m., and the aim of the course is to give a practical knowledge of the construction and manipulation of the X-ray apparatus, and its use in diagnosis and treatment.

Obstetrics

J. Whitridge Williams, M. D., Professor of Obstetrics.
J. Morris Slemons, M. D., Associate Professor of Obstetrics.
Henry A. Stephenson, M. D., Instructor in Obstetrics.
Solon A. Dodds, M. D., Assistant in Obstetrics.
Everett D. Plass, M. D., Assistant in Obstetrics.

The instruction in Obstetrics is given in the third and fourth years. The third year work is obligatory and must be taken by all students, while that of the fourth year is elective.

THIRD YEAR

In this year five hours a week are devoted to the subject, and the time is divided as follows:

I. Recitations or Exercises with the Manikin. Thrice weekly throughout the year. In the former the general principles of obstetrics are considered, while in the latter, which are interspersed between the recitations, the technique of obstetrical examination and of the various operative procedures is taught.

II. Practical Instruction. This includes the delivery of a limited number of patients in the ward, the examination of pregnant women, pelvimetry, and the care of the woman and child after delivery.

III. Ward classes to groups, twice weekly throughout the year.

IV. Elective laboratory courses will be given by Drs. Slemons and Dodds on Friday afternoons from 2 to 4.30, during each of the first two trimesters. In these practical instruction is given in the anatomy and his-

tology of the generative organs, as well as in the pathology of the various diseases of pregnancy, labor and the puerperal state.

FOURTH YEAR

During this year the work is arranged in trimesters and is elective. Classes are held on Tuesday, Thursday and Friday from 10 to 12 o'clock, and patients are delivered as they fall into labor. Each practical course will be limited to ten students, and the work will be divided as follows:

I. Delivery of patients in the ward and out-patient service and opportunity to witness all operations performed in the department.

II. Ward and nursery rounds.

III. Ante- and post-partum examination of patients.

IV. Obstetrical Seminary.

V. A course of practical instruction in contracted pelves.

VI. A practical and laboratory course on the metabolism of pregnancy and its abnormalities.

VII. A practical and laboratory course on the diseases and feeding of the newly born child.

VIII. Obstetrical pathology (elective). Drs. Slemons and Dodds.

A credit of 1½ units will be allowed for the regular class work, and an additional unit to such students as may deliver 10 or more patients in the out-door service.

GRADUATE COURSE

University Course

Obstetrics, *Advanced.* A limited number of physicians may receive advanced instruction during the academic year. Those wishing to enter upon this work should apply to Professor Williams stating the character of the

work they desire and their qualifications for undertaking it.

Gynecology

Howard A. Kelly, M. D., Professor of Gynecology.
William W. Russell, M. D., Associate Professor of Gynecology.
Thomas S. Cullen, M. B., Associate Professor of Gynecology.
Guy L. Hunner, M. D., Associate in Gynecology.
Elizabeth Hurdon, M. D., Associate in Gynecology.
Curtis F. Burnam, M. D., Associate in Gynecology.
Edward H. Richardson, M. D., Associate in Gynecology.
Cecil W. Vest, M. D., Instructor in Gynecology.

Gynecological instruction is given to third and fourth year students and also in part to graduates.

The courses of the third year are obligatory to the entire third year class, while the courses of the fourth year are elective.

The third year course consists of:

1. Gynecological diagnosis. One hour a week for four months, for each section, for physical examinations and demonstrations in the operating room. Dr. Russell.

2. A lecture, pathological demonstration, or recitation once a week throughout the year. Drs. Russell, Cullen, Hunner and Hurdon.

The fourth year courses are:

1. Ward Rounds twice a week, bed-side instruction and demonstrations. Professor Cullen.

2. A limited number of students are allowed to assist in the work of the dispensary under the charge of Drs. Sperry and Pollack. 2.30 to 4.30 p. m., daily.

3. Practical Cystoscopy in women is taught from 2.30 to 4.30 p. m., three days a week by Drs. Hunner and Burnam. The number taking the course is limited.

4. A major course, including ward rounds, examinations of etherized patients, opportunity to see operations and learn operating room technique, lectures, demonstra-

tions and recitations, is offered to each section of the fourth year class in turn. Professors Kelly and Cullen and Dr. Burnam.

5. A special course in Gynecological Pathology limited to fourth year students. Professor Cullen and Dr. Hurdon.

6. Lectures in gynecological physiology and pathological physiology for fourth year students. Dr. Burnam.

7. Graduates in medicine are welcomed at all the regular clinics throughout the year upon presenting their cards.

8. Gynecological Pathology. This embraces a thorough study of all diseases of the pelvic structures. Special attention is given to the examination of scrapings. Professor Cullen and Dr. Hurdon.

9. Cystoscopic Examinations. (Limited to six.)

Fifteen clinics covering the entire subject of diseases of the urinary tract in women. Demonstrations of the newer instruments used in urinary work. This course is for beginners in cystoscopy. Dr. G. L. Hunner.

GRADUATE COURSES

University Course

Gynecological Pathology, *Elementary.* (Limited to five students.) Drs. T. S. Cullen and E. Hurdon.

The work in this course begins October 1 and extends through one trimester. The class meets Tuesday afternoons, 2 to 4.30 p. m. Fee $50.00. Applications for this course should be sent to the Registrar not later than September 15.

Special Courses

Gynecological Pathology. Dr. T. S. Cullen or Dr. E. Hurdon, during March and April, Tuesday, 2 to 4.30 p. m., pathological laboratory. (Limited to ten.) Fee $50.00.

A course in the diagnosis of uterine scrapings. All pathological conditions of the cervix and body of the uterus that could be mistaken for cancer are discussed, and special consideration is given to the early diagnosis of cancer of the uterus. The methods of obtaining and examining pieces of uterine tissue are given in detail.

Cystoscopic Examinations. Drs. G. L. Hunner and C. F. Burnam, Tuesday and Thursday, 2 to 4 p. m. May 9 to June 29, inclusive. (Limited to six.) Fee $50.00.

Fifteen clinics covering the entire subject of diseases of the urinary tract in woman. Demonstrations of the newer instruments used in ordinary work. This course is for beginners in cystoscopy.

Gynecology. This commences May 15 and ends July 1st. Operative clinics will be given daily except Friday. This will be conducted by Drs. Kelly, Russell, T. S. Cullen and the resident gynecologist. Between operations the various cases will be thoroughly discussed. Two mornings a week the members of the group will be allowed to make ether examinations. Ward rounds will be made twice weekly from nine to ten. These will include the discussion of the differential diagnosis, preparations for operation, post-operative treatment, post-operative complications. Each afternoon from two to four one member of the group will assist the dispensary staff. Here history taking, pelvic and abdominal examinations without anæsthesia and medical gynecology will be discussed. Course limited to twelve. Fee $50.00.

Psychiatry

Adolf Meyer, M. D., LL. D., Professor of Psychiatry.
Henry J. Berkley, M. D., Clinical Professor of Psychiatry.
Clarence B. Farrar, M. D., Associate in Psychiatry.
W. Rush Dunton, Jr., M. D., Instructor in Psychiatry.
Edmund B. Huey, Ph. D., Assistant in Psychopathology.
Trigant Burrow, M. D., Ph. D., Assistant in Psychopathology.
David K. Henderson, M. D., Assistant in Psychiatry.

Until the Psychiatric Clinic is opened the Psychiatric Department will have to give its instruction as in previous years: an obligatory course of lectures and clinical demonstrations, Wednesdays 12-1 p. m. and Saturdays 3.30-5 p. m. during the first trimester of the fourth year; to be given by Dr. Henry J. Berkley. Elective clinics during the second trimester, Saturdays, 3.30-5.30, to be given by Dr. Farrar at the Spring Grove Hospital, Catonsville, or Dr. Dunton at the Sheppard and Enoch Pratt Hospital, and elective work in the Dispensary (Tuesdays and Fridays forenoon) throughout the year.

As soon as the Psychiatric Clinic is organized the instruction will be given as follows:

1. Introduction to biological and medical psychology, third trimester of the second year (Thursdays, 2-4 p. m). An extension of physiology and general pathology into the study of mental activities.

2. Introduction to Psychopathology, third trimester, third year. An extension of the course of general pathology and neurology into the study of abnormal mental mechanisms, the aphasia and apraxia group, effects of poisons and disorders of internal secretion, and the substitutive reactions in hysteria, psychasthenia, etc. (Tuesday from 2-3 p. m.)

3. Introduction to practical psychiatry (psychiatric nosology and methods of work): An obligatory course of clinical demonstrations and of lectures and during the first trimester of the fourth year. Weekly clinics and discussions during the second and third trimester (optional). Special work with defectives and in Medico-legal exercises. Elective work in the Dispensary and in the clinical service. Special laboratory work in general clinical laboratory methods, neuropathology and psychology.

Postgraduate work will be mapped out for the year 1913-14.

Diseases of Children

John Howland, M. D., Professor of Pediatrics.
J. H. M. Knox, Ph. D., M. D., Associate in Pediatrics.
Richard A. Urquhart, M. D., Instructor in Pediatrics.

Until the work of the Harriet Lane Home is fully organized the instruction will consist of the following elective courses offered during the fourth year.

Minor Course

I. A weekly clinic, or lecture, Monday, 12 to 1, for one trimester.

II. Daily work in the dispensary, 10 to 12 m., for one-half of a trimester or alternate days for one whole trimester, for each section. Students are required to act as clinical clerks and to discuss the diagnosis and treatment of patients assigned to them. Cases of special interest are presented to all the students of the section for examination.

Major Course

I. Weekly clinic or lecture, Monday, 12 m. to 1 p. m., throughout the year.

II. Daily work in the dispensary, 10 a. m. to 12 m., for one trimester.

Course on Feeding of Infants. An elective course on Infant feeding, Drs. Knox and Urquhart. Wednesdays, 3.30 to 4.30 p. m., during first trimester.

GRADUATE COURSE

Special Course

Pediatrics. Drs. Knox and Urquhart, June 1 to July 1, daily from 11 to 12, Dispensary. (Limited to six). Fee $50.00.

The participants are expected to examine patients at the clinic personally under supervision and make ward rounds at the Thomas Wilson Sanitarium twice a week. The course will include lectures and infant feeding.

Ophthalmology.

Samuel Theobald, M. D., Clinical Professor of Ophthalmology.
Robert L. Randolph, M. D., Associate Professor of Ophthalmology and Otology.
James J. Mills, M. D., Instructor in Ophthalmology.
Hedley V. Tweedie, M. D., Assistant in Ophthalmology.

I. Daily clinics are given in the dispensary by Professors Theobald and Randolph. Each of the sub-sections into which the fourth year class is divided attends these clinics for from five to six weeks. Owing to the small number of students comprising the separate groups the opportunities thus afforded of acquiring a practical knowledge of the diseases of the eye are exceptionally valuable.

II. The major course in Ophthalmology comprises, besides greater clinical advantages—including the privilege of attendance upon the clinics of Professor Theobald at the Baltimore Eye, Ear and Throat Charity Hospital—instruction in operative surgery of the eye and ear, in the determination of errors of refraction, the optometric use of the ophthalmoscope, skiascopy, and the more refined methods of diagnosing aural maladies.

III. Weekly lecture, Thursday, 3.30 to 4.30 p. m., throughout the year, Professor Theobald.

IV. During the third year a preparatory course in ophthalmoscopy is given by Dr. Mills.

GRADUATE COURSE

Clinical Ophthalmology, including Ophthalmoscopy. A practical course in the diagnosis and treatment of the commoner diseases of the eye, with instruction in the use

of the ophthalmoscope, the examination of the anterior structures of the eye by oblique illumination, etc. Dr. Mills, June 1 to July 1, Monday, Wednesday and Friday, 3 to 4 p. m. (Limited to ten.) Fee $25.00.

This course is intended for general practitioners.

Dermatology

T. Caspar Gilchrist, M. D., Clinical Professor of Dermatology.
J. Williams Lord, M. D., Clinical Professor of Dermatology.
Edgar R. Strobel, M. D., Instructor in Dermatology.
Isaac R. Pels, M. D., Assistant in Dermatology.
Henry H. Hazen, M. D., Assistant in Dermatology.

The instruction in this department consists in the following elective courses offered to students in the fourth year:

Minor Course

I. Daily work in the dispensary, 2 to 3.30 p. m., for one-half trimester or alternate days during one whole trimester.

II. Weekly clinical lectures on Tuesdays at 3.30 to 4.30 p. m.

Major Course

I. Daily work in the dispensary from 2 to 4.30 p. m. through one trimester.

II. Weekly clinical lectures on Tuesdays, 3.30 to 4.30 p. m. throughout the year.

III. A course in the pathology and bacteriology of the common cutaneous diseases.

IV. Opportunities are given to do research work.

GRADUATE COURSE

Special Course

DERMATOLOGY. An opportunity is given to obtain practical instruction in dermatology during the academic session.

I. Practical work in the dispensary, daily, 2 to 4 p. m., for one or more trimesters.

II. A course in the pathology and bacteriology of the common cutaneous diseases. Fees on application.

DISEASES OF THE NERVOUS SYSTEM

HENRY M. THOMAS, M. D., Clinical Professor of Neurology.
EDWARD M. SINGEWALD, M. D., Instructor in Neurology.
G. LANE TANEYHILL, JR., M. D., Instructor in Neurology.
CHARLES M. BYRNES, M. D., Instructor in Neurology.

The course is given during the third year and the work consists of the following required courses:

I. Practical work in the dispensary. The class is divided into four sections and each section works in the neurological dispensary from 10 to 12 on one morning of each week throughout the year.

II. Recitation or clinic. Tuesday, 11 a. m. to 12 m.

III. Recitation or clinic. Wednesday, 9 a. m. to 10 a. m. after April 1.

The following elective courses are offered during the fourth year:

I. Nervous dispensary. Daily, 10 to 11 a. m., repeated each trimester.

II. Nervous diseases. Tuesday and Thursday, 12 m. to 1 p. m., repeated each trimester.

GENITO-URINARY SURGERY

HUGH H. YOUNG, M. D., Associate Professor of Genito-Urinary Surgery.
JOHN T. GERAGHTY, M. D., Associate in Genito-Urinary Surgery.

During the fourth year Professor Young and Dr. Geraghty conduct the following elective courses:

Minor Course

I. Practical work in the dispensary, daily from 10 a. m. to 12 m., for one-half trimester or alternate days for one whole trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., for one trimester.

Major Course

I. Practical work in the dispensary, daily from 10 a. m. to 12 m., for one trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., throughout the year.

III. Pathology of the genito-urinary tract, twice weekly, 9 to 10 a. m.

For courses for graduates see under department of Surgery.

Laryngology, Rhinology and Otology.

Samuel J. Crowe, M. D., Associate in Surgery in Charge of Laryngological, Rhinological and Otological Clinics.

John N. Mackenzie, M. D., Clinical Professor of Laryngology and Rhinology.

Franklin Hazlehurst, M. D., Assistant in Laryngology and Rhinology.

The work consists of the following elective courses offered during the fourth year:

Minor Course

I. Practical work in the dispensary, daily from 2 to 3.30 p. m., for one-half trimester or alternate days for one whole trimester.

II. Weekly lecture, Dr. Mackenzie, Monday, 3.30 to 4.30 p. m., throughout the year.

III. Weekly lecture or clinic, Dr. Crowe, Wednesday, 3.30 to 4.30 p. m.

Major Course

I. Practical work in the dispensary, daily from 2 to 4.30 p. m., for one trimester.

II. Weekly lectures, Monday and Wednesday, 3.30 to 4.30 p. m., throughout the year.

During the third year a course in laryngoscopy is given on Thursday from 3 to 5 p. m., throughout the third trimester, as a preparation for the work of the fourth year in the laryngological clinic and wards. This is a required course.

An elective course in bronchoscopy and oesophagoscopy is offered to fourth year students during the third trimester, Tuesday, from 3 to 5 p. m., in the Hunterian Laboratory. Dr. Crowe. (Limited to ten in a group).

Throughout the fourth year the students in the medical group will be required to make the routine examinations of nose, throat, larynx and sinuses on patients in the public wards.

Dr. Randolph will aid in the instruction in Otology.

Orthopedic Surgery

William S. Halsted, M. D., Professor of Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.

Instruction in Orthopedic Surgery is given throughout the fourth year by Dr. Baer, assisted by Drs. Fayerweather and Ashbury.

Obligatory Work:

I. Ward rounds, once weekly throughout the year, for the surgical section.

II. Clinical instruction for sub-sections of the surgical group given three times a week, Monday, Wednesday and Saturday, from 10 a. m. to 12 m.

III. Operative clinic, Wednesday, 10-12.

Elective Courses

I. A clinical lecture or recitation is given once weekly, throughout the entire year, on Thursdays, from 12 m. to 1 p. m.

II. Dispensary clinic is held on Mondays, Wednesdays and Saturdays from 10 a. m. to 12 m.

III. Lateral Curvature Course is given on Tuesday mornings and Saturday afternoons, equal to six hours.

For courses for graduates see under department of Surgery.

Hygiene

William W. Ford, M. D., D. P. H., Associate Professor of Hygiene and Bacteriology.

Lloyd P. Shippen, M. D., Instructor in Hygiene and Bacteriology.

The instruction in Hygiene consists of:

1. Didactic lectures given to the students of the third year during the third trimester. These lectures are designed to cover the principal facts in the epidemiology of the infectious diseases, and the measures which may be adopted to prevent their spread.

The water-borne diseases, such as Asiatic cholera and typhoid fever, the insect-borne diseases, such as malaria yellow fever, and typhus fever, the social diseases, such as tuberculosis and syphilis, and the exanthemata of childhood are considered in detail.

Special lectures are also devoted to vital statistics, climate, soil, ventilation, sewage disposal, sand filtration, and milk control.

2. Practical Hygiene.

A laboratory course in the chemical and bacteriological analysis of water, milk, sewage, and disinfectants with instruction in the use of instruments of precision is given during the first or second trimester to any students who have completed their work in bacteriology. Weekly inspections are made of Public Health Institutions in Baltimore and Washington—such as the Baltimore Sewage Disposal Plant; The Washington Filtration Plant; The Walker-Gordon Dairy Farm; the Hygienic Laboratory of the Public Health and Marine Hospital Service; and the Laboratories of the Maryland and Baltimore Departments of Health.

3. Special Investigation. A limited number of students are taken into the laboratory for advanced work in Hygiene and Bacteriology. These individuals are given special problems to work out independently or in connection with the instructors in the department. Special facilities will be offered medical graduates who desire to train themselves in work in Public Health.

Medical Zoölogy

Charles Wardell Stiles, Ph. D., D. Sc., Lecturer on Medical Zoölogy and Professor of Zoölogy to the U. S. Public Health and Marine Hospital Service.

Instruction in Medical Zoölogy is given to students of the third and fourth years by Dr. Stiles. It consists of a course of twenty lectures on the medical relations of animals to man (animal parasites, animals as transmitters of disease, poisonous snakes, etc.); ten lectures are given each year, illustrated with numerous charts, lantern slides, and specimens, and supplemented by practical laboratory exercises in studying both live and preserved parasites, examining meat for trichinosis and in the diagnosis of various zoöparasitic diseases by microscopic examination of fæces. The parasites are studied from the

standpoints of zoölogy, practical medicine, and public health.

Legal Medicine

William W. Ford, M. D., Lecturer in Legal Medicine.

The instruction in this department is given in the third year. The lectures are intended to instruct the students not only in the actual facts of applied medicine which constitutes the basis of the work of the medico-legal practitioner, but also in the duties of the medical expert witness and his relations to his client and to the court.

The lectures deal with sexual transgressions, abortion, infanticide, &c., with the circumstances attendant upon violent death in its various forms and with injuries of all sorts mechanical and chemical, and with the medico-legal relations of insanity.

Especial attention is directed to the methods of investigation and protocol writing in such cases, and to the technical means by which suspected marks, stains and traces of all sorts may be recognized. Instruction as to the character of medical evidence which is useful and admissible in court and as to its presentation, is emphasized.

History and Literature of Medicine

The Historical Club meets once a month throughout the academic year in the medical amphitheatre of the Hospital. Old and rare or otherwise historically interesting books are exhibited and the history of medical doctrines, of epochs in medicine and of the lives and contributions to knowledge of eminent medical men, and other themes pertaining to the history of medicines are considered. Many students avail themselves of the stimulating and educational advantages afforded by the meetings of this Club.

Instruction in Art as Applied to Medicine

Max Broedel, Associate Professor of Art as applied to Medicine.

A. Courses for Medical Students.

1.) A course of lectures to first year class one hour a week during the first trimester. This course is intended to give general instruction in the elementary principles of drawing and sketching as an aid to the study of medicine.

2.) A short course in artistic anatomy to be given during the second trimester. The purpose of this course is to supplement the study of the cadaver in the dissecting room.

3.) A course in actual drawing open to students of the four classes, to research workers and to members of the faculty for two hours twice a week throughout the year. This course will be limited to 12 students. The work will first deal with the exact study of the plastic representation of medical objects of all kinds. Later on this will lead to the study of diagrammatic drawings and sketches useful in taking medical histories or illustrating lectures with blackboard sketches. Lastly a suitable technique for making medical illustrations for publication will be taught.

4.) Research workers who require pictorial representation of their research will be taught the principles of making such drawings.

B. Courses for Artists and Art Students.

1.) Special instruction to medical illustrators who desire to take up advanced work in a particular branch. The fee will depend on the length of the course and the character of the instruction. Minimum fee $25.00. Such courses may be taken at any time during the academic year.

2.) A regular course for beginners. This course will continue during the entire day throughout the academic year (Oct. 1st to May 31st). Applicants who are not graduates of an art school must submit samples of their artwork. The duration of the whole course will of necessity depend on the talent of the individual, the average term, however, not exceeding two years. The fee is $100.00 a year. Drawings of especial merit may be accepted and utilized by the Department for publication and as a practical test of the artist's ability. Although such drawings become the property of the school, the student will receive several printed proofs after publication. All drawings and sketches not so honored will remain the property of the student.

The above course will be as follows:

a.) Anatomical studies of the skeleton, muscles and viscera from the standpoint of the medical illustrator. Everything studied is sketched or drawn.

b.) Studies of fresh material at autopsies combined with microscopic studies of the various tissues in health and disease. A number of accessory methods will be employed in studying fresh tissues.

c.) Studies of hardened specimens from the various pathological collections combined with the study of the texture of the individual structures of the body.

d.) Based on the foregoing the student is ready to study the pictorial representation of physical examinations, various kinds of treatment and the different steps in surgical operations.

e.) Stress will be laid on the correct attitude of the medical illustrator toward problems in medical research and toward the conception of a medical illustration in general as an aid to the text and also as a work of art.

f.) Parallel with and supplementing these studies will be instructions and demonstrations in the various techniques suitable for medical illustrations intended for publication. These are:

1.) Halftone drawings in crayon, etc.—Mixed technique.
2.) Watercolor painting.
3.) Line drawings in pen and ink. Diagrams.
4.) Charts for class demonstrations.

g.) Studies of the various methods of reproduction from the standpoint of the illustrator.

Special Lectures

From time to time, as opportunity offers, short courses of special lectures or demonstrations upon selected topics are given either by specially appointed lecturers or by members of the teaching staff.

SCHEDULE OF COURSES AS ARRANGED FOR THE SESSION OF 1912-1913

In order to exhibit as completely as possible the details of the work of the Medical Department, the general schedules furnished to the students for the session of 1912-13 are reproduced. In the fourth year special schedules for the medical and surgical sections are arranged by the heads of departments. No alterations in the arrangement of the general schedules are permitted unless authorized by the Advisory Board of the Medical Faculty.

THE JOHNS HOPKINS

SCHEDULE FOR THE

	MONDAY.	TUESDAY.
FIRST TRIMESTER.	9-12. Anatomy I. 12-1.† Anatomy, VII.	9-12 Anatomy I. 12-1.† Anatomy, VI.
	2-5. Histology.	1.30-5†. Drawing as Applied to Medicine.
SECOND TRIMESTER.	9-12. Anatomy II.	9-12. Anatomy II. 12-1.† Anatomy, VI.
	2-5.† Neurology.	1.30-5.† Drawing as Applied to Medicine. 2-3.† Neurology (Lecture). Anatomical Studies on the Living.† Lecture.
THIRD TRIMESTER.	9-12. Bacteriology Laboratory. 12-1. Bacteriology Recitation.	9-10. Physiology Lecture. 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.
	2-3. Physiol. Chem. Lecture. (A and B.)	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.

EXPLANATORY NOTE.—**Elective courses are indicated by a dagger, all other courses are required.** To enter upon the work of the 3rd year a student will be required to show credits for 30 units of work, including all of the obligatory courses, so that during the first two years each student is advised to take 5 units in each trimester. By a unit is meant a course of instruction (or a group of courses) equivalent to 5 hours of work a week for a trimester. The elective courses after

MEDICAL SCHOOL.

FIRST YEAR, 1912-1913.

WEDNESDAY.	THURSDAY.	FRIDAY.
9-12. Anatomy I. 12-1.† Lecture Course in Art.	9-12. Anatomy I. 12-1.† Organic Chemistry (Lecture).	9-12. Anatomy I. 12-1-† Organic Chemistry (Lecture).
2-5. Histology.	2-3. Histology (Lecture).	2-5. Histology.
9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).
2-5.† Neurology.	2-5.† Art.	
9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B.)	9-10. Physiology Lecture. 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B.)
4-5. Bacteriology Lecture.	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	4-5. Bacteriology Lecture.

they have been selected must be completed satisfactorily, and a record will be kept of the results for such courses as in the case of the required work.

Special permission must be obtained to take more than 6 units in a trimester.

Students who are permitted to undertake investigation in any department will receive appropriate credit for work.

THE JOHNS HOPKINS

SCHEDULE FOR THE

	MONDAY.	TUESDAY.
FIRST TRIMESTER.	9-11. *Electives. 11-12. Autopsies. 12-1. Pathology (Recitation).	9-10. Physiology (Lecture). 10-1. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.
	2-5. Pathology Laboratory.	2-5. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.
SECOND TRIMESTER.	9-10. Pharmacology. 10-12. *Electives Autopsy Demonstrations Group I. 12-1. Pathology (Recitation).	9-12. *Electives Autopsies. 12-1. Pharmacology.
	2-5. Pathology Laboratory.	2-5. *Electives. 1.30-5. Drawing.†
THIRD TRIMESTER.	9-10. Bacteriology in Relation to Disease Dr. Clough. 10-12. Group II. Medical Disp. Group IV. Physical Diag. Groups I. and III. Preparatory Surgery. 12-1. Amphitheatre Clinic Dr. Futcher.	9-10. Demonstration of Autopsy Material. 1st half Class. 10-12. Group I. Medical Disp. Group III. Physical Diag. Groups II. and IV. Preparatory Surgery. 12-1. Physical Diagnosis of Circulatory System Dr. Futcher.
	2-3. Physiology in Relation to Medicine (Lecture—required). 3-5. Laboratory Demonstrations (Optional) Dr. Hirschfelder.	

EXPLANATORY NOTE.—To enter upon the work of the 3rd year a student will be required to show credits for 30 units of work, including all the obligatory courses, so that during the first two years each student is advised to take 5 units in each trimester. By a unit is meant a course of instruction (or a group of courses) equivalent to 5 hours of work a week for a trimester. The elective courses after they have been selected must be completed satisfactorily, and a record will be kept of the results for such courses as in the case of the required work.

MEDICAL SCHOOL.

SECOND YEAR, 1912-1913.

WEDNESDAY.	THURSDAY.	FRIDAY.
9-11. *Elective. 11-12. Autopsies. 12-1. Demonstration of Autopsy Material. (Section).	9-10. Physiology (Lecture). 10-1. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.	9-11. *Electives. 11-12. Autopsies. 12-1. Demonstration of Autopsy Material (Section).
2-5. Pathology Laboratory.	2-5. Physiology (B) Laboratory Physiol.-Chem. (A) Laboratory.	2-5. Pathology Laboratory.
9-10. Pharmacology. 10-12. *Electives. 10-12. Autopsy Demonstration Group II.	9-12. *Electives Autopsies. 12-1. Pharmacology.	9-10. Pharmacology. 10-11. *Electives. 10-12. Autopsy Demonstration Group III.
2-5. Pathology (Laboratory.)	2-5. *Electives.	2-5. Pathology (Laboratory.)
9-10. Oversight Lecture Dr. Barker. 10-12. Group II. Physical Diag. Group IV. Medical Disp. Groups III. and I. Preparatory Surgery. 12-1. Amphitheatre Clinic. Dr. Barker.	9-10. Demonstration of Autopsy Material. 2nd half Class. 10-11. Surgery Dr. Halsted. (Lecture). 11-12. Physical Diagnosis of Respiratory System Dr. Thayer. 12-1. Amphitheatre Clinic Dr. Thayer.	9-10. Pharmacology in Relation to Medicine. Dr. Rowntree. 10-12. Group I. Physical Diag. Group III. Medical Disp. Group IV. and II. Preparatory Surgery. 12-1. Physical Diagnosis of Abdominal Viscera.
2-5. Regional Anatomy Groups I. and II. 1st half tri. 2nd half tri. (Autopsy Room).	2-4. Medical Psychology Dr. Meyer Required.	2-5. Regional Anatomy Groups III. and IV. 1st half tri. 2nd half tri. (Autopsy Room).

Autopsies—according to special announcement. When material is ready, the Autopsies will be performed at this hour.

*Electives or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Physiology in relation to Medicine, Experimental Pathology, Hygiene, Physiological Chemistry, Toxicology, Pharmacology and Preparatory Surgery.

THE JOHNS HOPKINS

SCHEDULE FOR THE

MONDAY.	TUESDAY.	WEDNESDAY.
9-10. Obstetrics (Recitation).	9-10. Group I.—Gynecology 1st half year. Group II.—Obstetrics 1st half year. Group I.—Obstetrics 2nd half year. Group II.—Gynecology 2nd half year. Groups III and IV (unassigned). October to Christmas.	9-10. Obstetrics (Recitation).
10-12 Group I. Surgical Disp. *Group II. Medical Disp. Group III. Nervous Disp. *Group IV. Physical Diagnosis.	10-11. First and Second Trimester Gynecology (Recitation) Third Trimester Gynecological Pathology. 11-12. Neurology, Clinic or Recitation.	10-12. Group III. Surgical Disp. *Group IV. Medical Disp. Group I. Nervous Disp. *Group II. Physical Diagnosis.
12-1. Medical Clinic Dr. Futcher.	12-1. Surgical Clinic Dr. Finney.	12-1. Medical Clinic. Dr. Barker.
2-3. Clinical Microscopy Recitation and Demonstrations (Oct. to March 15). 3-4. Pharmacy (October to January). 3-4. Practical Therapeutics Medical Amphitheatre (After January 1). 2-3. March 15 to June 1 Hygiene and Legal Medicine.	2-4.30. Clinical Microscopy (Laboratory). Oct. to March 15. Third Trimester. 1.30-5. Elective. Drawing. 2-4.30. Clinical Microscopy. Elective. Third Trimester. (½ Trimester). 2-3. Third Trimester— Psycho.-Pathology (Required). 3-4. Hygiene and Legal Medicine (Lecture) Required. Mar. 15 to June 1.	2-3. Surgical Pathology Clinic and Demonstration. (Three Trimesters). 3-4.30 Surgical Pathology (Laboratory). Elective Group Work or Special Work ½ to 1½ units.
4-5.30. Ophthalmoscopy (In groups).	4.30-5.30. Medicine (Recitation). Oct. to Jan. 1.	4.30-5.30. Medical Zoology. Oct. to Jan. 1. Medicine (Recitation) Jan. 1 to June 1.

Unit equals 66 hours.
6 hours a week for 1 term
2 hours a week for 1 year.
Students must take 1½ units of work during the year in these or other elective courses during these hours.

MEDICAL SCHOOL.

THIRD YEAR, 1912-1913.

THURSDAY.	FRIDAY.	SATURDAY.
9-10. Group III.—Gynecology 1st half year. Group IV.—Obstetrics 1st half year. Group III.—Obstetrics 2nd half year. Group IV.—Gynecology 2nd half year. Groups I and II (unassigned). October to Christmas.	9-10. Physical Diagnosis (Recitation). Dr. Futcher. 10-11. Surgery (Recitation) Dr. Follis To April 1.	9-10. Obstetrics. (Recitation).
10-12 Group II. Surgical Disp. *Group I. Medical Disp. Group IV. Nervous Disp. *Group III. Physical Diagnosis.	11-12. Surgical Clinic Dr. Finney.	10-12. Group IV. Surgical Disp. *Group III. Medical Disp. Group II. Nervous Disp. *Group I. Physical Diagnosis.
12-1. Medical Clinic Dr. Thayer.	12-1. Surgical Clinic (3d and 4th years) Dr. Halsted. Nervous Diseases (Recitation) After April 1.	12-1. Medical Clinic (3d and 4th years) Medical Amphitheatre Dr. Barker.
2-4.30. Clinical Microscopy (Laboratory) October to March 15. 2-3. Hygiene and Legal Medicine (Lecture) Required. Mar. 15 to June 1. 2-4.30. Elective. Clinical Microscopy Elective. Third Trimester. ($\frac{1}{2}$ Trimester) Medicine = $\frac{1}{2}$ unit.	Elective. 11-5. Operative Surgery, in Groups = 1 unit. (Repeated each trimester). 2-4.30. Surgical Pathology (year) = $1\frac{1}{2}$ unit. Obstet. Pathology 1 Tri. = $\frac{1}{2}$ unit. (Repeated first and second Trimesters) Medicine (year = 1 unit). (Repeated each Trimester). Practical Pharmacy 2nd Trimester = $\frac{1}{2}$ unit.	
3-5. Laryngoscopy (Required). In groups Dr. Crowe.		

*In the third trimester Groups II and IV will go to the City Hospital, Bay View, on Monday and Wednesday from 10 A. M. to 1 P. M., and Groups I and III, on Thursday and Saturday, at the same hour.

Medical Section.....
Surgical Section.....
Elective Section.....

MEDICAL SECTION. Medical Wards, Dispensary and Laboratories, 8.30 A. M. to 12 M., and 2 to 4.30 P. M. =6 units.

SURGICAL SECTION. Surgical Wards, Ward Visits, Operating Room and Laboratories (entire Section), 9 A. M. to 12 M. =3 units.
Recitation in Surgery, Friday, 9 A. M., (entire group).
Ophthalmology (½ group for ½ Tri.) 2-3.30 P. M.=1 unit, leaving 1½ units elective.
Elective Courses, afternoons, 2-4.30.

12-1. LECTURES

	MONDAY.	TUESDAY.	WEDNESDAY.
First Trimester. October to Christmas.	(a) Medical Clinic. Dr. Futcher. (b) Diseases of Children. Dr. Knox. (c) Genito-Urinary. Dr. Young.	(a) Surgical Clinic. Dr. Finney. (b) Relations of the Autonomic Nervous System to Visceral Diseases. Dr. Barker. (c) Nervous Diseases. Dr. Thomas.	Clinical Pathological Conference. Drs. Thayer and Whipple.
Second Trimester. January to March 15.	(a) Dr. Futcher. (b) Dr. Knox. Acute Gastro-Intestinal Diseases. (c) Dr. Young. Genito-Urinary.	(a) Dr. Finney. (b) Dr. Thomas. (c) Diseases of Children. Dr. Howland.	Clinical Pathological Conference. Drs. Thayer and Whipple.
Third Trimester. March 15 to June.	(a) Dr. Futcher. (b) Dr. Hamman. Clinic in Pulmonary Diseases. (c) Dr. Young.	(a) Dr. Finney. (b) Dr. Hamburger. Minor Ailments. (c) Dr. Thomas. (a) Dr. Howland.	Clinical Pathological Conference. Drs. Thayer and Whipple. Medical Ethics. (2 lectures).

The courses on Wednesday, Friday and Saturday are obligatory, and continue throughout the year. Those on other days are elective and arranged in Trimesters, but every student must choose one of them for each day and pursue same for entire

Medical Zoology, Wednesday,
Psychiatry (11 lectures).
Subject

ELECTIVE

MORNINGS.

Medical Research . . . . . daily 9-12=3 U.
Surgery (Major). Dr. Halsted and Staff . . . . . daily 9-12=3 U.
Surgical Diagnosis and Pathology. Dr. Bloodgood. 12 students. Wednesday and Friday . . . . . 8-9=½ to 1 U.
Surgical Diagnosis and Pathology. Special Work. Dr. Bloodgood daily=½ to 1½ U.
Gynecology, Monday, Wednesday and Saturday, 10 students, Drs. Kelly, Cullen and Burnam . . . . . 9-12=1½ U.
Obstetrics, Tuesday, Thursday and Friday, 10 students. Dr. Williams and Staff . . . . . 9-12=1½ to 2½ U.
Children's Diseases (Major). Dr. Howland and Staff . . . daily 9-12=3 U.
Children's Diseases (Minor for ½ Tri.). Dr. Howland and Staff . daily 10-12=1 U.
Genito-Urinary (Major). Dr. Young . . . . . daily 9-12=3 U.
Genito-Urinary (Minor for ½ Tri.). Drs. Young and Geraghty . daily 10-12=1 U.
Bacteriology and Pathology of G.-U. Tract. Dr. Geraghty . twice weekly 9-10= ½ U.
Psychiatry (Major). Dr. Meyer and Staff . . . . . 9-12= ½ U.
Research, other departments . . . . . daily 9-12=3 U.
Neurology (Minor). Dr. Thomas . . . . . daily 10-11=1 U.
Orthopedics (3 times weekly, 1 Trimester). Dr. Baer . . 10-12=1 U.
Phipps Dispensary:
Elementary Course (1st Tri.) twice weekly, limited to 4 students. Drs. Wolman and Austrian . . . . . 10-12= ⅔ U.
Drawing as Applied to Medicine. Mr. Brodel . . . Tuesday 1.30-5= ½ U.

AFTERNOONS.

Ophthalmology (Major). Dr. Theobald, Dr. Randolph and Staff daily 2-4.30=2½ U.
Ophthalmology (Lecture). Dr. Theobald . . . Thursday 3.30-4.30= ⅓ U.
Dermatology (Major). Drs. Gilchrist and Lord (limited to 10) . daily 2-4.30=2½ U.
Dermatology (Minor for ½ Tri.) Drs. Gilchrist and Lord . daily 2-3.30=1 U.

All courses extend over one Tri

Student must take 18 units during the year.

Medicine	6 units
Surgery	3 "
Obligatory afternoon exercises (Wed., Fri. and Sat.)	1 "
2 Specialties . . . . . (Ophthalmology and one minor elective).	2 "
6 Elective Units	6 "
	18 units

Unit or Minor Course equals 66 hours, or
6 hours a week for 1 Trimester.
2 hours a week for 1 year.

MEDICAL SCHOOL.

RTH YEAR, 1912-1913.

1st Trimester. October to Christmas.	2nd Trimester. January to March 15.	3d Trimester. March 15 to June.
Group I. Group II. Group III.	Group III. Group I. Group II.	Group II. Group III. Group I.

Elective Section. Elective Courses, mornings, 9-12, and afternoons 2 to 4.30. If Genito-Urinary, Orthopedics, Neurology, or Children be not taken in morning hours, Laryngology or Dermatology must be taken for half of Tri. from 2-3.30 P. M. =1 unit, leaving ½ unit elective from 3.30 to 4.30.

AND CLINICS.

Thursday.	Friday.	Saturday.
(a) Medical Clinic. Dr. Thayer. (b) Orthopedics. Dr. Baer. (c) Nervous Diseases. Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. Oct. 22 to Jan. 1. 3.30-5.30 (Bay View.)
(a) Dr. Thayer. (b) Dr. Baer. (c) Dr. Thomas. (d) Dr. Futcher. The Symptomatology and Treatment of Diseases of the Ductless Glands.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. (Elective.) (Sheppard-Pratt Hosp. Bay View or Spring Grove Hospital.) 3.30-5.30.
(a) Dr. Thayer. (b) Dr. Baer. (c) Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. (Elective.) 3.30 to 5.30.

Trimester. Courses may be pursued for entire year or changed each Trimester. Attendance on three of these elective courses for one Trimester=½ unit.

4.30 to 5.30. First Trimester.
Fridays 4.30 to 5.30
to change.

COURSES.

Dermatology (Clinical Lecture). Dr. Gilchrist	Tuesday	3.30-4.30= ⅙ U.
Laryngology (Major). Dr. Crowe and Staff	daily	2-3.30=2½ U.
Laryngology (Minor for ½ Tri.) Dr. Crowe and Staff	daily	2-3.30= ½ U.
Laryngology (Lecture). Dr. Mackenzie (1st and 2d Tri.)	Monday	3.30-4.30= ⅙ U.
Laryngology (Lecture). Dr. Crowe	Wednesday	3.30-4.30= ⅙ U.
Bronchoscopy and Oesophagoscopy, 3d Tri. Dr. Crowe (Hunterian Lab.)	Tuesday	3-5= ⅓ U.
Obstetrical Pathology. Dr. Slemons (Repeated two Tri.)	Friday	2-4.30= ½ U.
Gynecological Dispensary, Drs. Vest and Richardson, daily 2 to 4 P. M., 1 Trimester, sections of two students each day		= ⅓ U.
Gynecological Pathology (Repeated two Trimesters). Drs. Cullen and Hurdon	Friday	2-4.30= ½ U.
Gynecology (Lecture). Dr. Burnam	Monday	4.30-5.30= ⅙ U.
Cystoscopy, Drs. Hunner and Burnam, Tuesday, Thursday and Saturday, ½ Trimester (limited to 3 students)		2-3.30= ⅓ U.
Psychiatry laboratory work as arranged.		
Medical Research	daily	2-4.30=2½ U.
Research in other departments	daily	2-4.30=2½ U.
Experimental Pathology (Minor). Dr. Whipple	twice weekly	2-4.30=1 U.
Clinical Microscopy (3d Trim.). Dr. Guthrie twice weekly for ½ Tri.		= ½ U.
Phipps Dispensary: Advanced Course (3d Trimester). Drs. Hamman, Wolman and Austrian, twice weekly, Tuesday and Friday		10-12= ⅔ U.
Infectious Diseases (Lecture). (2d Trimester). Dr. Clough twice weekly		4.30-5.30= ⅓ U.
Special Methods of Investigation of Infectious Diseases (2d Trimester). Dr. Clough	twice weekly	2-4.30=1 U.
Medical Bacteriology (Lecture). Drs. Major and Austrian	once weekly	2-3= ⅙ U.

mester, unless otherwise stated.

SUMMARY OF THE YEAR'S WORK.

Medical Group.	Wards, etc.	8.30-12
	Lecture or Clinic	12-1
	Wards, etc.	2-4.30
Surgical Group.	Wards	9-12
	Lecture or Clinic	12-1
	Ophthalmology	2-3.30
	Elective Work	2-4.30
Elective Group.	Elective Work	9-12
	Lecture or Clinic	12-1
	Elective Specialties	2-4.30

(Groups alternate each Trimester.)

ANNUAL EXAMINATIONS

The final examination in histology is held at the end of the second trimester of the first year; those in bacteriology and physiological chemistry at the end of the third trimester of the first year.

The final examination in physiology (1912-13) is held at the end of the first trimester of the second year.

The final examination in anatomy is held at the end of the second trimester of the second year.

The final examinations in pathology and pharmacology (1912-13) are held at the end of the second and third trimesters of the second year, respectively.

At the end of the third year final examinations are held in obligatory obstetrics, gynecology, nervous diseases, clinical microscopy and surgical pathology.

At the end of the fourth year final examinations are held in medicine and surgery.

In the elective courses and special branches the examinations are given to each section upon the completion of the work.

The Medical Faculty on April 26th, 1912, adopted the following regulations governing examinations, to take effect with the Class which entered the school in October, 1911.

(*a*). The records of all students in the second year class shall be reviewed at the end of the fifth trimester of work by the Committee on Instruction and Examinations for the first two years. Students who are reported as having failed in any two of the following subjects, namely: Anatomy (including Histology), Physiology, Physiological Chemistry, Pharmacology, Pathology (including Bacteriology), will be required to withdraw from the school. Those who fail in one only of these subjects will

be allowed to take a second examination not later than the following October. A student who fails in this second examination will be required to withdraw from the school.

(*b*). No student will be permitted to enter upon the work of the fourth year until he has been reported as having absolved the required third year work in Gynecology, Physical Diagnosis, Clinical Microscopy and Neurology.

(*c*). Final examinations for graduation will be held in Medicine, Surgery, Obstetrics and the Major Electives. The examination in Obstetrics may be absolved at the end of the third or during the fourth year. No student will be permitted to continue in the school if he fails in any two of these subjects, or if he fails a second time in Medicine or Surgery.

Students not appearing for examination on the specified dates will be required to pay a fee of $5.00 for a special examination.

The estimation of the standing of each student is based both upon the general character of his work and upon the results of examinations.

HOSPITAL APPOINTMENTS

At the close of the academic year in June, fifteen members of the graduating class are recommended to the Medical Board of the Johns Hopkins Hospital for appointment as House Officers to serve for one year from the following first of September. The recommendations for these appointments are made at the end of the first trimester of the fourth year and are based upon the records of standing in all required subjects, upon evidences of special ability as shown by elective or research work and upon considerations of personal fitness. These appointees reside in the Hospital and become officers upon the house-staff. By action of the Board of Trustees of the Hospital only unmarried graduates are eligible to

these appointments. In each hospital service to which such internes are assigned, one appointment may be exempted from this arrangement, the appointee being selected by the responsible head of the service from graduates of this or other schools.

A certain number of externe appointments are offered to members of each graduating class. These appointees have the privilege of working in the dispensary. They may assist in the teaching, and may pursue advanced work and original research in the various laboratories without charge.

The appointments of the resident physician, surgeon, gynecologist and obstetrician of the Johns Hopkins Hospital are permanent ones. The first and second resident assistantships under these are annual appointments, subject to renewal.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for admission, have completed satisfactorily a four years' course of study in the Medical School of this University. (See General Plan of Instruction, page 115.)

Students who have been admitted to advanced standing must spend at least the final year in this University. They must fulfill all of our requirements for admission, must present evidence of the necessary years of medical registration, and must satisfy our instructors that they have completed satisfactorily in an acceptable medical school such required branches of instruction as they have not taken in this University.

The degrees are publicly conferred by the Johns Hopkins University at the commencement on the second Tuesday of June, or on Commemoration Day, February the twenty-second.

CHARGES FOR TUITION

The charge for tuition is two hundred dollars per annum, payable at the Treasurer's Office or at the office of the Dean of the Medical School, in three installments, October, January and March 15. There are no extra charges for matriculation, for graduation, for instruction in any department, or for laboratory courses, except in special cases for material consumed. To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented. A deposit of ten dollars of caution money is required from each student at the time of his enrollment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the Medical School Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

APPENDIX

I

ENDOWMENT

The founder of the Johns Hopkins University, in devoting his large fortune to the establishment of the University and the Hospital, had in view the organization of a school of medicine. In his letter addressed to the Trustees of the Hospital, dated March 10, 1873, these significant words occur:

"It will be your especial duty to secure, for the service of the Hospital, surgeons and physicians of the highest character and greatest skill. . . . In all your arrangements in relation to this Hospital, you will bear constantly in mind that it is my wish and purpose that the institution shall ultimately form a part of the Medical School of the University for which I have made ample provision in my will."

When the University was opened in 1876, arrangements were made for instruction in those sciences such as physics, chemistry, and biology, which lead up naturally to the professional study of medicine. In 1884 the professorship of pathology was filled and the pathological laboratory was opened. In 1899 the Johns Hopkins Hospital was opened, and the physician, surgeon, and gynecologist in chief to the Hospital were appointed to the professorships, respectively, of medicine, surgery, and gynecology and obstetrics. At the same time the professor of psychiatry was appointed. Opportunities for instruction were afforded to graduates in medicine. Ampler endowment, however, was needed to complete the organization of a medical department.

Gifts amounting to $111,731.68, most of which were offered to this University in October, 1890, by a committee of women, and an additional gift of $306,977, offered to the University in December, 1892, in addition to her previous subscriptions, by Miss Mary Elizabeth Garrett, made up, with other available resources, the amount of $500,000, which had been agreed upon by the Trustees as the minimum sum to be secured for the opening of the Medical Department. These generous contributions were made upon condition that women be received upon the same terms as men.

This endowment, added to the vailable resources of the Johns Hopkins University and the Johns Hopkins Hospital, enabled the Trustees to complete the organization of the Medical Department and to open it for instruction in 1893.

II

THE WOMEN'S MEDICAL SCHOOL FUND

At a meeting of the Board of Trustees of the University, October 28, 1890, the following letter was presented:

"The committee formed for the purpose of raising a fund to procure the most advanced medical education for women, can now place at your disposal the sum of one hundred thousand dollars for the use of your Medical School, if you will, by resolution, agree that women whose previous training has been equivalent to your preliminary medical course, shall be admitted to the school, when it shall open, upon the same terms which may be prescribed for men. There can be no doubt that women ought to be trained to act as nurses for sick women. There is as little doubt that a sufficient number of women ought to be educated and trained in such manner as to be fully able to care for sick women who may wish or ought to be treated by women. We have devoted ourselves to the furtherance of this object. We have reason to hope that a university which proposes to found a medical school intended to teach advanced methods in the treatment of those diseases which afflict mankind, will not refuse to women the opportunity of learning such methods. There is now a general interest in our movement. In order that this interest may be sustained, we ask you to consider our offer at the earliest possible period.

NANCY MORRIS DAVIS,
Chairman of the Baltimore Committee."

The following minute was adopted by the Trustees:

The President and Board of Trustees of the Johns Hopkins University have received from Mrs. Nancy Morris Davis, chairman of one of the committees formed for the purpose of raising a fund to procure the most advanced medical education for women, the gratifying intelligence that $100,000 has been raised for the use of their intended Medical School, and is at their disposal, if they will, by resolution, agree to the terms upon which the money was contributed by its donors.

The terms are that this Board, if it accepts the funds thus raised, shall agree, by resolution, that, when its Medical School shall be opened, women whose training has been equivalent to the preliminary medical course prescribed for men, shall be admitted in such school upon the same terms as may be prescribed for men.

The offer to this University of the particular fund is the free, voluntary act of women residing in this State and in other

States, made without the suggestion or solicitation of this Board, and we accept it under and subject to the terms which are made a part of the gift, with the understanding and declaration, however, that such preliminary training in all its parts be obtained in some other institution of learning devoted, in whole or in part, to the education of women, or by private tuition.

The fund so contributed shall be invested and known as "The Women's Medical School Fund," and that fund, and all interest to accrue thereon and all additions made thereto for the same purpose, shall remain invested for the purpose of increase only until, with its aid as a foundation, a general fund has been accumulated amounting to not less than $500,000, and sufficient for the establishment and maintenance of a Medical School worthy of the reputation of this University, and fully sufficient as a means of complete medical education. Then, and not until then, will a Medical School be opened by this University; and then, and not until then, will the gift now offered be used by this University; and then, and not until then, will the terms attached thereto be operative.

The utility of a training school for women nurses has been demonstrated by the experience and practice of the Johns Hopkins Hospital, and by the necessities of home life among our people.

This Board is satisfied that in hospital practice among women, in penal institutions in which women are prisoners, in charitable institutions in which women are cared for, and in private life, when women are to be attended, there are a need and place for learned and capable women physicians; and that it is the business and duty of this Board, when it is supplied with the necessary means for opening its proposed Medical School, to make provision for the training and full qualification of such women for the abundant work which awaits them in these wide fields of usefulness.

Nothing contained in this minute shall be construed as abridging, in any manner, the right of the Board of Trustees of the Johns Hopkins University to make such rules and regulations as they may deem necessary for the government of its School of Medicine, when it is organized; and in making such rules and regulations, the terms of this minute shall always be respected and observed.

III

THE MARY ELIZABETH GARRETT FUND *

TERMS OF THE GIFT, AS ACCEPTED BY THE TRUSTEES, FEBRUARY 21, 1893.

Miss Mary Elizabeth Garrett, in order to make up the sum of $500,000, which the Board of Trustees required should be secured as an endowment before the Medical School of the University was opened, has contributed to that fund the sum of $306,977 upon the following terms, which have been agreed to by the University:

1. That women shall enjoy all the advantages of the Medical School of the Johns Hopkins University on the same terms as men, and shall be admitted on the same terms as men to all the prizes, dignities or honors that are awarded by competition, examination, or regarded as rewards of merit.

2. That not more than $50,000 of the original endowment of $500,000 shall be expended on a building or buildings; and that in memory of the contributions of the Committees of the Women's Medical School Fund, this building, if there be but one, or the chief building, if there be more than one, shall be known as the Women's Fund Memorial Building.

3. That the Medical School of the University shall be exclusively a graduate school as hereinafter explained, that is to say: That the Medical School of the Johns Hopkins University shall form an integral part of the Johns Hopkins University, and, like other departments of the University, shall be under the management and control of the Trustees of the said University, that it shall provide a four years' course, leading to the degree of Doctor of Medicine; that there shall be admitted to the school those students only who, by examination or by other tests equally satisfactory to the Faculty of the Medical School (no distinction being made in these tests or examinations between men and women), have proved that they have completed the studies included in the Preliminary Medical Course (Group Three, Chemical-Biological Course) as laid down in the University Register (but this condition is not meant to restrict the Trustees from receiving as hearers, but not as candidates for the degree of Doctor of Medicine, those who have received the degree of Doctor of Medicine, or its equivalent, in some school of good repute); and that the degree of Doctor of Medicine of the Johns Hopkins University shall be given to no Doctors of Medicine who have not proved by

*So designated by the Trustees, December 24, 1902.

examination or by other tests equally satisfactory to the Faculty of the Medical School that they have completed the studies included in the Preliminary Courses, besides completing the course of instruction of the Medical School of the Johns Hopkins University.

The aforegoing provision shall not be construed as restricting the liberty of the University to make such changes in the requirements for the admission to the Medical School of the Johns Hopkins University or to accept such equivalents for the studies required for admission to this school as shall not lower the standard of admission specified in this clause; provided that the requirements in modern languages other than English shall not be diminished, and provided also that the requirements in non-medical scientific studies shall include at least as much knowledge of natural science as is imparted in the three minor courses in science now laid down in its university register, the subjects and arrangements of these scientific studies being subject to such modifications as may from time to time seem wise to its Board and to the Faculty of the Medical School, but being at all times the same for all candidates for admission. (For such requirements always see University Register.)

4. That the terms of this gift and the resolutions of October 28, 1890, by which the Trustees accepted the gift of the Women's Medical School Fund, shall be printed each year in whatever annual calendars may be issued announcing the courses of the Medical School. (See appended resolutions.)

5. That there shall be created a committee of six women to whom the women studying in the Medical School may apply for advice concerning lodging and other practical matters, and that all questions concerning the personal character of women applying for admission to the School, and all non-academic questions of discipline affecting the women studying in the Medical School shall be referred to this committee, and by them be in writing reported for action to the authorities of the University; that the members of this committee shall be members for life; that the committee, when once formed shall be self-nominating, its nominations of new members to fill such vacancies as may occur being subject always to the approval of the Board of Trustees of the University.

6. That in the event of any violation of any or all of the aforesaid stipulations, the said sum of $306,977 shall revert to her, or such person or persons, institution or institutions, as she by testament or otherwise may hereafter appoint.

It will be observed that by the tenor of the aforegoing terms no university course will be in any way modified by any conditions

attached to her gift. These conditions relate exclusively to preparation for the Medical School, and have received, in the shape in which they are now presented, the unanimous approval of the Medical Faculty of the University.

The terms of admission to the Medical School of the University, as formulated and interpreted by the Medical Faculty of the University, February 4, 1893, and here subjoined, are therefore in entire accordance with the terms of her gift.

(Signed) MARY E. GARRETT.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL SCHOOL OF THE JOHNS HOPKINS UNIVERSITY, UNANIMOUSLY APPROVED BY THE MEDICAL FACULTY, FEBRUARY 4, 1893.

A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A. B. degree in the University.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have a good reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry and biology as is imparted by the regular minor courses given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, physics, chemistry and biology already indicated.

By approved colleges and scientific schools are meant those whose standard for graduation shall be considered by this University as essentially equivalent to its standard for graduation in the undergraduate department.

It is to be understood that at least one year's study in the Chemical and Biological Sciences in their immediate relation to medicine shall be required from students after their entrance to the Medical School.

WOMEN'S COMMITTEE OF MEDICAL SCHOOL

MISS MARY E. GARRETT,
MRS. ALFRED HODIER,
MRS. WILLIAM H. HOWELL,
MRS. HENRY M. HURD,
MRS. HOWARD A. KELLY,
MISS M. CAREY THOMAS.

Their duties are stated in paragraph 5 of the letter printed above.

IV

THE BAXLEY MEDICAL PROFESSORSHIP

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact, and was invested by the Trustees with the purpose of allowing it to accumulate until it had reached a sum more adequate to carrying out the desire of the founder. In March, 1901, upon the request of the President and the Medical Faculty, the Board of Trustees of the University directed that this fund shall be set apart to endow the Professorship of Pathology in the University, which shall hereafter be known as the Baxley Professorship of Pathology.

V

THE HERTER LECTURESHIP

In November, 1902, Dr. and Mrs. Christian A. Herter, of New York, offered to the Medical Department of the Johns Hopkins University the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." This gift was accepted by the Trustees of the University November 3, 1902. According to the terms of the gift, some eminent worker in Physiology or Pathology is to be asked each year to deliver a lecture at the Johns Hopkins University upon a subject with which he has been identified. The selection of a lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine,

and if "in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." The committee named for this purpose consists of Drs. Welch, Abel and Barker.

LECTURERS ON THIS FOUNDATION

Professor Paul von Ehrlich, of Frankfort.
Professor Hans H. Meyer, of Vienna.
Professor Almroth E. Wright, of London.
Professor Edward A. Shäfer, of Edinburgh.
Professor Hans Chiari.
Professor Albrecht Kossel, of Heidelberg.
Professor George F. Nuttall, of Cambridge, England.

VI

THE ENDOWMENT OF THE JOHNS HOPKINS HOSPITAL

The intimate connection between the Medical School and the Johns Hopkins Hospital renders it proper to mention the facilities of the Hospital as an important adjunct to the endowment of the Medical School. By the letter of instruction of the founder, it was provided that the Johns Hopkins Hospital should furnish clinical facilities for the Medical School. In the purchase of the site of the Hospital, the location and arrangement of buildings, the construction of the apparatus for heating and ventilation and all other hygienic appliances, the purpose of medical instruction was constantly borne in mind. The original buildings and grounds of the Hospital have cost upwards of two millions of dollars, and the annual expenditure for maintenance exceeds two hundred thousand dollars. Upon the hospital grounds, not including the Harriet Lane Home and Phipps' Psychiatric Clinic, have been erected twenty buildings, which furnish ample facilities for the accommodation of 350 in-patients and many thousand out-patients. These buildings also provide class-rooms in connection with the out-patient department, a large clinical laboratory, a surgical building with rooms for the study of surgical pathology and five operating rooms, clinic rooms, several lecture rooms, a clinical amphitheatre and an autopsy amphitheatre, all equipped with ample apparatus for the instruction of students. The administration building furnishes accommodation for a medical staff of forty persons. It also has a large library and reading rooms.

VII

THE ENDOWMENT OF THE CLINICAL LABORATORY

A similar endowment, which benefits the Medical School through the Hospital, has been a fund of $10,000 to build and equip a clinical laboratory upon the Hospital grounds for the use of Medical students. This laboratory permits each student in the third and fourth years to have a place for clinical work, including microscopes and reagents, the use of a dark room, access to a polariscope and other instruments. It also contains rooms for special study and research.

VIII

THE FUND FOR THE STUDY OF TUBERCULOSIS

This endowment for the study of tuberculosis has been placed in the hands of the Hospital Trustees for the study of the conditions of tubercular disease in Baltimore. Through the funds afforded it has been practicable to employ a medical graduate to follow cases of tuberculosis and to watch the effects of methods of treatment; also to secure the services of medical students and nurses to visit the homes of tubercular patients and to give instruction as to the better care of the victims of the disease. By means of this fund facilities are further afforded to students to study tubercular cases that come to the out-patient department of the Hospital.

IX

THE PHIPPS FUND FOR THE STUDY OF TUBERCULOSIS

Through the liberality of Mr. Henry Phipps, a fund of $20,000 has been given to the Hospital for the special study of cases of tuberculosis in connection with the out-patient department. This fund has enabled the Hospital to erect a separate building which provides separate accommodations for tubercular patients who come to the dispensary. Rooms are also arranged for examination and treatment, for a library of works on tuberculosis, and for the laboratory study of special forms of the disease. The facilities thus afforded for the out-patient department give unequaled opportunities for the study of all forms of tuberculosis.

X

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, June 12, 1908, Mr. Henry Phipps, of New York, offered the funds necessary for the erection of a psychiatric hospital, on the grounds of the Johns Hopkins Hospital, to accommodate about eighty patients and to contain the necessary laboratory equipment, hydro-therapeutic apparatus and other modern facilities for treatment. He offered, moreover, to the Trustees of the Johns Hopkins University, additional funds for the establishment of a department of psychiatry for a period of ten years from the opening of the clinic. This generous offer was accepted by the Trustees of the University and Hospital, and, after conference, the respective Boards elected Dr. Adolf Meyer, Professor of Psychiatry on the part of the University, and Director of the Clinic on the part of the Hospital. The new hospital building and laboratory will be opened during the year 1912-13.

XI

THE HARRIET LANE HOME FOR INVALID CHILDREN

By her last will, Mrs. Harriet Lane Johnston, of Washington, D. C., left the sum of about $400,000 to establish in Baltimore The Harriet Lane Home for Invalid Children as a memorial of two sons who had died in childhood. In order to give this Home the largest usefulness, the Trustees decided to erect it upon the grounds of the Johns Hopkins Hospital and to open its wards for the instruction of nurses and physicians in the care and treatment of the diseases of children. The building, which will accommodate about 100 children, is now completed and will be opened during the year 1912-13. It will afford unusual facilities for the study of all diseases of children, including those of an infectious nature.

THE JOSEPH KERNOCHAN GARR SCHOLARSHIP

Through the kindness of Mrs. Henry Lee Smith, of Baltimore, the Medical Faculty is authorized to provide a scholarship amounting to $100 a year to aid a deserving student. The scholarship is to be known as "The Joseph Kernochan Garr Scholarship."

XIII

HOPKINS SCHOLARSHIPS

Six Hopkins Scholarships are annually open to students from Maryland, North Carolina and Virginia. These scholarships grant free tuition for one year. Three are given to fourth-year students, two to third-year students and one to second-year students. Applications should be addressed to the Dean of the Medical School not later than May 1, in accordance with a prescribed form. In addition to these six scholarships, any of the thirty Hopkins Scholarships offered to graduate students in the department of philosophy that are not required for such students may be awarded to students of medicine.

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OF THE

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ESTABLISHED IN CONNECTION WITH THE JOHNS HOPKINS HOSPITAL

BALTIMORE, MARYLAND
PUBLISHED BY THE UNIVERSITY
ISSUED MONTHLY FROM OCTOBER TO JULY
OCTOBER, 1913

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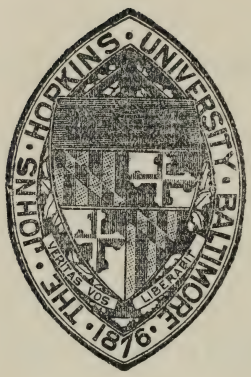
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CALENDAR, 1913-1914

1913.

October 7 (Tuesday)—Instruction begins. Twenty-first academic year.

November 27 (Thursday)—Thanksgiving Day. All classes suspended.

December 1 (Monday)—Instruction resumed.

December 22 (Monday morning)—The Christmas Recess begins. (9 a. m.)

1914.

January 5 (Monday)—Instruction resumed.

February 22 (Sunday)—Commemoration Day. Public exercises on Monday, the 23d, at 11 a. m. All classes suspended.

April 9 (Thursday)—The Easter Recess begins.

April 16 (Thursday)—Instruction resumed.

May 1 (Friday)—Last day of application for the Hopkins Scholarships offered to medical students from Maryland, North Carolina and Virginia.

June 9 (Tuesday)—Commencement Day. Public exercises at 4 p. m.

October 2 (Friday)—Candidates for admission will assemble in the auditorium of the Physiological building (East Monument and Washington streets), at 10 a. m.

October 6 (Tuesday)—Instruction resumed. Twenty-second academic year.

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807 St. Paul St.

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Oxford, England

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1023 St. Paul St.

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1406 Eutaw Place

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1201 Eutaw Place

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1514 Bolton St.

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Ph. B., University of Michigan, 1883, and A. M. (Hon.), 1903, Sc. D., 1912; M. D., University of Strassburg, 1888; Professor of Materia Medica and Therapeutics, University of Michigan, 1891-93; Hon. Member Philadelphia College of Pharmacy; Corresponding Member K. K. Gesellschaft der Aerzte, Vienna; *Editor of the Journal of Pharmacology and Experimental Therapeutics. Member of the National Academy of Sciences.*

Charles St. Av. (P. O. Sta. L.).

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232 W. Lanvale St.

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Professor of Obstetrics and Dean

A. B., Johns Hopkins University, 1886; M. D., University of Maryland, 1888 and D. Sc. (Hon.), 1907, and University of Dublin, 1912; Associate in Obstetrics, 1893-96, and Associate Professor, 1896-99; Gynecologist, Union Protestant Infirmary; Director of the Johns Hopkins Dispensary, 1907-1910; *Obstetrician in Chief to the Johns Hopkins Hospital.*

1128 Cathedral St.

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Professor of Medicine

M. B., University of Toronto, 1890, and M. D. (Hon.), 1905; LL. D., Queen's University, 1908, and McGill University, 1911; House Officer, Toronto General Hospital, 1890-91; Assistant Physician, Assistant Resident Pathologist, and Resident Pathologist, the Johns Hopkins Hospital, 1891-1900; Fellow in Pathology, Johns Hopkins University, 1892-94, Associate in Anatomy, 1894-97, Associate Professor of Anatomy, 1897-90 and Associate Professor of Pathology, 1899-1900; Professor and Head of the Department of Anatomy, University of Chicago, 1900-04, and Professor of Medicine, Rush Medical College, 1904-05; *Physician in Chief to the Johns Hopkins Hospital.*

1035 N. Calvert St.

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406 Cathedral St.

WALTER JONES, Ph. D.

Professor of Physiological Chemistry

A. B., Johns Hopkins University, 1888, and Ph. D., 1891; Professor of Natural Science, Wittenberg College, 1891-92; Professor of Analytical Chemistry, Purdue University, 1892-95; Assistant in Physiological Chemistry and Toxicology, Johns Hopkins University, 1896-99; Associate, 1899-1901; Associate Professor, 1901-1908.

2621 St. Paul St.

ADOLF MEYER, M. D., LL. D.

Professor of Psychiatry

Zürich Gymnasium; M. D., University of Zürich, 1892; LL. D., University of Glasgow, 1901, and Clark University, 1909; Honorary Fellow and Docent in Neurology, University of Chicago, 1892-95; Pathologist and Director of Clinical Laboratory, Worcester (Mass.) Hospital for the Insane, and Docent in Psychiatry, Clark University, 1895-1902; Director of the Pathological (Psychiatric) Institute, New York State Hospitals, Ward's Island, 1902-1910; Professor of Psycho-Pathology, Cornell University, 1904-1909.

1012 N. Calvert St.

JOHN MILLER TURPIN FINNEY, M. D.

Professor of Clinical Surgery

A. B., Princeton University, 1884; M. D., Harvard University, 1888; Surgeon to the Union Protestant Infirmary; Associate and Associate Professor of Surgery, Johns Hopkins University, 1893-1912; *Associate in Surgery, the Johns Hopkins Hospital, and Head of the Surgical Clinic, the Johns Hopkins Dispensary.*

1300 Eutaw Place

JOHN HOWLAND, M. D.

Professor of Pediatrics

A. B., Yale University, 1894; M. D., New York University College of Medicine, 1897, and Cornell University, 1899; House Officer, Presbyterian Hospital, N. Y., 1897-1899, and N. Y. Foundling Hospital, 1899-1900; Pathologist and Assistant Attending Pediatrician, N. Y. Foundling Hospital, 1902; Pediatrician in charge of Children's Clinic, Bellevue Hospital, 1908-1910; Instructor and Associate in Pediatrics, Columbia University; Professor of Pediatrics, Washington University, St. Louis, 1910-1912; Editor, American Journal Diseases of Children; Member of Council of Pharmacy and Chemistry, A. M. A.; *Director, Harriet Lane Home for Invalid Children.*

20 E. Eager St.

WARREN HARMON LEWIS, M. D.

Professor of Physiological Anatomy

S. B., University of Michigan, 1894, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Assistant, Instructor and Associate Professor of Anatomy, 1900-1913; *Co-Editor of The Anatomical Record.*

1931 E. 31st St.

CLINICAL PROFESSORS

WILLIAM DAVID BOOKER, M. D.

Clinical Professor Emeritus of Pediatrics

M. D., University of Virginia, 1867; Visiting Physician, St. Agnes Hospital, 1894-95; Physician in charge of the Thomas Wilson Sanitarium, Baltimore, 1881-98; Clinical Professor of Pediatrics, Johns Hopkins University, 1889-1909; Associate in Pediatrics, the Johns Hopkins Hospital and Dispensary, 1889-1909.

208 W. Monument St.

SAMUEL THEOBALD, M. D.

Clinical Professor of Ophthalmology

M. D., University of Maryland, 1867; Surgeon to the Baltimore Eye, Ear and Throat Charity Hospital, Oculist and Aurist to the Home for Incurables; *Ophthalmic Surgeon to the Johns Hopkins Hospital and Dispensary.*

970 N. Howard St.

HENRY M. THOMAS, M. D.

Clinical Professor of Neurology

M. D., University of Maryland, 1884; A. M. (Hon.), Johns Hopkins University, 1902; *Neurologist to the Johns Hopkins Hospital and Dispensary.*

1228 Madison Av.

JERE WILLIAMS LORD, M. D.

Clinical Professor of Dermatology

A. B., Johns Hopkins University, 1884; M. D., University of Pennsylvania, 1887; *Dermatologist to the Johns Hopkins Hospital and Dispensary.*

1011 N. Charles St.

THOMAS CASPAR GILCHRIST, M. D., M. R. C. S., L. S. A. (Eng.)

Clinical Professor of Dermatology

M. R. C. S., and L. S. A., London, 1887; M. D. (Hon.), University of Maryland, 1907; Corresponding Member, Berlin Dermatological Gesellschaft; Honorary Member of the Society of Dermatology and Syphilis of Italy; *Dermatologist to the Johns Hopkins Hospital and Dispensary.*

330 N. Charles St.

HENRY JOHNS BERKLEY, M. D., Sc. D.

Clinical Professor of Psychiatry

M. D., University of Maryland, 1881; D. Sc. (Hon.), 1907; Consulting Neurologist, St. Joseph's Hospital; Visiting Physician, City Detention Hospital, Bay View.

1305 Park Av.

ASSOCIATE PROFESSORS

WILLIAM WOOD RUSSELL, M. D.

Associate Professor of Gynecology

M. D., University of Pennsylvania, 1890; Resident Gynecologist, the Johns Hopkins Hospital, 1894-95; Associate in Gynecology, Johns Hopkins University, 1895-99; Head of the Gynecological Clinic, the Johns Hopkins Dispensary, 1895-1906; *Associate in Gynecology, the Johns Hopkins Hospital.*

1208 Entaw Place

THOMAS STEPHEN CULLEN, M. B.

Associate Professor of Gynecology

M. B., University of Toronto, 1890; Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1892-96, and Resident Gynecologist, 1896-97; Instructor in Gynecology, Johns Hopkins University, 1895-97; Associate, 1897-99; *Associate in Gynecology, the Johns Hopkins Hospital.*

3 W. Preston St.

ROBERT LEE RANDOLPH, M. D.

Associate Professor of Ophthalmology and Otology

M. D., University of Maryland, 1884, and A. M. (Hon.), Johns Hopkins University, 1902; Assistant in Ophthalmology, Vienna Polyclinic, 1886; Associate in Ophthalmology and Otology, Johns Hopkins University, 1896-1901; *Assistant Ophthalmic and Aural Surgeon, the Johns Hopkins Hospital and Dispensary.*

609 Park Av.

THOMAS BARNES FUTCHER, M. B.

Associate Professor of Medicine

M. B., University of Toronto, 1893; Assistant Resident Physician, the Johns Hopkins Hospital, 1894-1898; Resident Physician, 1898-1901; Instructor in Medicine, Johns Hopkins University, 1896-1897; Associate, 1897-1901; *Associate in Medicine, the Johns Hopkins Hospital and Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

23 W. Franklin St.

JOSEPH COLT BLOODGOOD, M. D.

Associate Professor of Surgery

S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; Resident Surgeon, the Johns Hopkins Hospital, 1893-97; Assistant, Instructor and Associate in Surgery, Johns Hopkins University, 1895-1903; *Associate in Surgery, the Johns Hopkins Hospital.*

904 N. Charles St.

HUGH HAMPTON YOUNG, M. D.

Associate Professor of Genito-Urinary Surgery

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; Assistant Resident Surgeon, the Johns Hopkins Hospital, 1895-98; Instructor and Associate in Genito-Urinary Surgery, Johns Hopkins University, 1893-1904; *Associate in Surgery, the Johns Hopkins Hospital, Head of the Genito-Urinary Clinic, the Johns Hopkins Dispensary.*

330 N. Charles St.

FLORENCE RENA SABIN, M. D., Sc. D.

Associate Professor of Anatomy

S. B., Smith College, 1893, Sc. D., 1910, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; Holder of Woman's Fellowship in Anatomy, 1901-1902; Assistant, Instructor and Associate in Anatomy, 1902-1905; *Co-Editor of The Anatomical Record.*

1431 Park Av.

WILLIAM WEBBER FORD, M. D., D. P. H.

Associate Professor of Hygiene and Bacteriology and Lecturer in Legal Medicine

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; D. P. H., McGill University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1898-99; Fellow in Pathology, McGill University, 1899-1901; Fellow, Rockefeller Institute for Medical Research, 1901-02; Institute for Infectious Diseases, Berlin, 1901-1902 and Johns Hopkins University, 1902-1903; Instructor, Associate and Associate Professor of Bacteriology, Johns Hopkins University, 1904-1910.

1134 Cathedral St.

MAX BROEDEL

Associate Professor of Art as Applied to Medicine

Academy of Arts, Leipzig, 1885-90; Illustrator, University of Leipzig, until 1894; Instructor in Art as Applied to Medicine, Johns Hopkins University, 1905-1906.

707 N. Carrollton Av.

WILLIAM STEVENSON BAER, M. D.

Associate Professor of Orthopedic Surgery

A. B., Johns Hopkins University, 1894, and M. D., 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-99, Assistant Resident Surgeon, 1899-1900; Assistant, Instructor and Associate in Orthopedic Surgery, Johns Hopkins University, 1900-1910; *Associate in Orthopedic Surgery, the Johns Hopkins Hospital.*

4 E. Madison St.

DONALD RUSSELL HOOKER, M. D.

Associate Professor of Physiology

A. B., Yale University, 1899, M. S., 1901; M. D., Johns Hopkins University, 1905; Graduate Student, University of Berlin, 1905-1906; Assistant, Instructor and Associate in Physiology, Johns Hopkins University, 1906-1910.

Mt. Washington

CARL VOEGTLIN, Ph. D.

Associate Professor of Pharmacology

Ph. D., University of Freiburg (Baden), 1903; Instructor in Chemistry, University of Wisconsin, 1904-05; Assistant in Medicine, Chemical Division of the Medical Clinical Laboratory, and Associate in Pharmacology, the Johns Hopkins University, 1906-1910.

Washington, D. C.

GEORGE HOYT WHIPPLE, M. D.

Associate Professor of Pathology

A. B., Yale University, 1900; M. D., Johns Hopkins University, 1905; Assistant, Instructor and Associate in Pathology, Johns Hopkins University, 1905-1910; Pathologist, Bay View, 1906-07; Pathologist, Ancon Hospital, Panama, 1907-08; Assistant Resident Pathologist, the Johns Hopkins Hospital, 1908-09; *Resident Pathologist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

THOMAS RICHMOND BOGGS, M. D.

Associate Professor of Medicine

S. B., University of Georgia, 1896, and Graduate Student, 1896-1897; M. D., Johns Hopkins University, 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-1902; Acting Assistant Resident, 1902-03; Assistant and Associate in Medicine, Johns Hopkins University, 1903-1911; Assistant Resident Physician in charge of the Medical Bacteriological Laboratory, the Johns Hopkins Hospital, 1904-1905; Resident Physician, the Johns Hopkins Hospital and Medical Adviser to the Medical Students, 1908-1911; *Physician in Chief, City Hospital, Baltimore.*

21 W. Chase St.

CHARLES DAVID SNYDER, Ph. D.

Associate Professor of Physiology

A. B., Leland Stanford, Jr., University, 1896; M. S., and Ph. D., University of California, 1904 and 1905; Holder of Columbia University Table at Zoölogical Station, Naples, 1906; Medical Student, Universities of Berlin and München, 1906-1907, and Summer of 1908; Fellow, Instructor and Associate in Physiology, Johns Hopkins University, 1907-1911.

Charles St. Ave. (P. O. Sta. L.)

HERBERT McLEAN EVANS, M. D.

Associate Professor of Anatomy

S. B., University of California, 1904, and Medical Department, 1904-05; M. D., Johns Hopkins University, 1908; Assistant Instructor and Associate Professor in Anatomy, Johns Hopkins University, 1908-1912.

The Cecil

LEONARD GEORGE ROWNTREE, M. D.

Associate Professor of Experimental Therapeutics

M. D., Western University (Canada), 1905; Resident Physician, Victoria Hospital, London, Canada, 1905-1906; Voluntary Assistant and Assistant in Medicine, 1907-1909; Instructor and Associate in Experimental Therapeutics, 1909-1913.

227 W. Monument St.

LECTURER

CHARLES WARDELL STILES, PH. D., D. Sc.

Lecturer on Medical Zoölogy

A. M., Ph. D., University of Leipzig, 1890; M. S. (Hon.), Wesleyan University, 1896; D. Sc. (Hon.), Wesleyan University, 1906; Corresponding Member, Society of Biology and Academy of Medicine (Paris); Zoölogist, U. S. Bureau of Animal Industry, 1891--1902; Professor of Zoölogy, of U. S. Public Health and Marine-Hospital Service, Washington, D. C.; Secretary, International Commission on Zoölogical Nomenclature, Scientific Secretary, Rockefeller Sanitary Commission for the Eradication of Hookworm Disease.

Hygienic Laboratory, 25th and E Sts., Washington.

ASSOCIATES

FRANK ROBERT SMITH, M. D.

Associate in Medicine

A. M., University of Cambridge (England), 1882; M. D., University of Maryland, 1891; Assistant Resident Physician, the Johns Hopkins Hospital, 1891-93; Instructor in Medicine, Johns Hopkins University, 1895-1901; *Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

1126 Cathedral St.

GUY LEROY HUNNER, M. D.

Associate in Gynecology

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897, and Instructor in Gynecology, 1901-1902; Resident House Officer, and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1897-1900, and Resident Gynecologist, 1901-1902; *Associate in Gynecology, the Johns Hopkins Hospital.*

2305 St. Paul St.

LOUIS PHILIP HAMBURGER, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1893, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Assistant and Instructor in Medicine, Johns Hopkins University, 1899-1904; *Assistant Physician, the Johns Hopkins Dispensary.*

1207 Eutaw Place

THOMAS RICHARDSON BROWN, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1892, and M. D., 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-98; Instructor in Medicine, Johns Hopkins University, 1899-1904; *Physician in charge of the Medical Clinic, the Johns Hopkins Dispensary.*

19 W. Biddle St.

RICHARD HOLDEN FOLLIS, M. D.

Associate in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Externe, Assistant Resident and Resident Surgeon, the Johns Hopkins Hospital, 1899-1905; Instructor in Surgery, Johns Hopkins University, 1902-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary and Associate in Surgery, the Johns Hopkins Hospital.*

3 E. Read St.

GEORGE WALKER, M. D.

Associate in Surgery

M. D., University of Maryland, 1889; Instructor in Surgery, Johns Hopkins University, 1900-1905; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

529 N. Charles St.

FREDERICK HARRY BAETJER, M. D.

Associate in Surgery in charge of Actinography

A. B., Johns Hopkins University, 1897, and M. D., 1901; Resident House Officer, the Johns Hopkins Hospital, 1901-02; Assistant in Surgery, Johns Hopkins University, 1903-1906; *Associate in Actinography, the Johns Hopkins Hospital.*

4 E. Madison St.

CURTIS FIELD BURNAM, M. D.

Associate in Gynecology

A. B., Central University (Ky.), 1895; M. D., Johns Hopkins University, 1900; Resident House Officer and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1900-1904; Assistant in Gynecology, Johns Hopkins University, 1907-1908; *Associate in Gynecology, the Johns Hopkins Hospital.*

1718 Eutaw Place

LOUIS VIRGIL HAMMAN, M. D.

Associate in Medicine

A. B., Rock Hill College, 1896; Graduate Student, Johns Hopkins University, 1896-97; and M. D., 1901; House Physician, New York Hospital, 1902-1903; Assistant and Instructor in Medicine, Johns Hopkins University, 1903-1908; *Physician in charge, the Phipps Dispensary; Associate in Medicine, the Johns Hopkins Hospital.*

714 Park Av.

ELIZABETH HURDON, M. D.

Associate in Gynecology

M. D., Trinity University (Toronto), 1895; Assistant and Instructor in Gynecology, Johns Hopkins University, 1900-1908.

31 W. Preston St.

JAMES HALL MASON KNOX, Jr., Ph. D., M. D.

Associate in Pediatrics

A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; Resident House Officer, the Johns Hopkins Hospital, 1898-1899; Assistant and Instructor in Pediatrics, Johns Hopkins University, 1902-1909; Physician in charge, the Thomas Wilson Sanitarium; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

804 Cathedral St.

ELIOT ROUND CLARK, M. D.

Associate in Anatomy

A. B., Yale University, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Anatomy, Johns Hopkins University, 1907-1910.

JOHN TIMOTHY GERAGHTY, M.D.

Associate in Genito-Urinary Surgery

A. B., St. Thomas College, 1895; Ph. B., St. Paul Seminary, 1897; Graduate Student, Johns Hopkins University, 1897-1898; M. D., 1903; Resident House Officer, the Johns Hopkins Hospital, 1903-1904; Assistant and Instructor in Genito-Urinary Diseases, Johns Hopkins University, 1907-1910; *Assistant Surgeon, the Johns Hopkins Dispensary.*

330 N. Charles St.

MILTON CHARLES WINTERNITZ, M. D.

Associate in Pathology

A. B., Johns Hopkins University, 1903, M. D., 1907, Fellow in Pathology, 1907-1908; Assistant and Instructor in Pathology, Johns Hopkins University, 1908-1910; Pathologist, Bay View Asylum and Assistant Resident Pathologist, the Johns Hopkins Hospital, 1910-1913.

Delaware and Carroll Rds, Windsor Hills

WILLIAM LORENZO MOSS, M. D.

Associate in Medicine

S. B., University of Georgia, 1901; M. D., Johns Hopkins University, 1905; Instructor in Medicine, Johns Hopkins University, 1909-1910; Resident House Officer, the Johns Hopkins Hospital, 1905-1906; Assistant Physician, Johns Hopkins Dispensary, 1906-1907; Graduate Student, University of Berlin, 1907; *Assistant Resident Physician.*

The Johns Hopkins Hospital

EDWARD HENDERSON RICHARDSON, M. D.

Associate in Gynecology

A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900-1901, and M. D., 1905; Instructor in Gynecology, Johns Hopkins University, 1910-1912; Resident House Officer, and Assistant Resident and Resident Gynecologist, the Johns Hopkins Hospital, 1905-1910; *Assistant Gynecologist, the Johns Hopkins Dispensary.*

216 E. Preston St.

CHARLES RHEIN ESSICK, Jr., Ph. D.

Associate in Anatomy

A. B., Yale University, 1905; M. D., Johns Hopkins University, 1909; Assistant and Instructor in Anatomy, Johns Hopkins University, 1909-1912.

1807 N. Caroline St.

SAMUEL JAMES CROWE, M. D.

Associate in Surgery in Charge of the Laryngological, Rhinological and Otological Clinic

A. B., University of Georgia, 1904; M. D., Johns Hopkins University, 1908; Assistant in Surgery (H. L.), 1908-1909; Assistant Resident Surgeon, Johns Hopkins Hospital, 1909-1910; *Laryngologist, the Johns Hopkins Hospital.*

1206 Linden Av.

ELI KENNERLY MARSHALL, Jr., Ph. D.

Associate in Physiological Chemistry

S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911; Assistant in Physiological Chemistry, 1912-13.

227 W. Monument St.

EDWARDS A. PARK, M. D.

Associate in Pediatrics

A. B., Yale, 1900, and M. D., College of Physicians and Surgeons (N. Y.), 1905; Resident Physician, Roosevelt Hospital, 1905-07, and New York Foundling Hospital, 1907-08; Instructor in Medicine and Pediatrics, and Proudfit Fellow in Medicine, College of Physicians and Surgeons (N. Y.), 1909-12.

The Cecil

JOHN ARTHUR LUETSCHER, M. D.

Associate in Medicine

S. B., University of Wisconsin, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; House Physician, City Hospital, Boston, 1900-1901; Assistant and Instructor in Medicine, Johns Hopkins University, 1905-1913; *Assistant Physician, the Johns Hopkins Dispensary.*

1025 Madison Av.

PAUL WISWALL CLOUGH, M. D.

Associate in Medicine

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Medicine, Johns Hopkins University, 1908-1913; Resident House Officer, Assistant Resident Physician, the Johns Hopkins Hospital, 1907-1913; *Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

CLYDE GRAEME GUTHRIE, M. D.

Associate in Medicine, in Charge of the Clinical Laboratory

A. B., Lafayette College, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Medicine, Johns Hopkins University, 1908-1913; Resident House Officer, the Johns Hopkins Hospital, 1907-1908; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

CHARLES MACFIE CAMPBELL, M.D.

Associate in Psychiatry

M. D., University of Edinburgh; First Assistant in Bloomingdale Hospital, New York; *Associate Director of the Phipps Psychiatric Clinic.*

The Johns Hopkins Hospital

EDMUND VINCENT COWDRY, Ph. D.

Associate in Anatomy

A. B., University of Toronto, 1909; Ph. D., University of Chicago, 1912; Technical Assistant, 1909; Fellow, Assistant, and Associate in Anatomy, 1910-13.

INSTRUCTORS

JAMES JOSEPH MILLS, M. D.

Instructor in Ophthalmology

M. D., Baltimore Medical College, 1889; Assistant in Ophthalmology and Otology, Johns Hopkins University, 1903-04; Ophthalmologist to the City Detention Hospital, Bay View, and *Assistant in Ophthalmology, the Johns Hopkins Dispensary.*

853 Park Av.

JACOB HALL PLEASANTS, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1895, and M. D., 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1900-1905; *Assistant Physician, the Johns Hopkins Dispensary.*

806 University Parkway

RICHARD ALEXANDER URQUHART, M. D.

Instructor in Pediatrics

M. D., University of Virginia, 1894; Resident Physician, 1899-1900, and Assistant Attending Physician, City Detention Hospital, Bay View, 1900-1901; Assistant in Pediatrics, Johns Hopkins University, 1902-1906; *Assistant Pediatrician, the Johns Hopkins Dispensary.*

48 W. Biddle St.

EDGAR RANDOLPH STROBEL, M. D.

Instructor in Dermatology

A. B., Johns Hopkins University, 1895, and M. D., 1899; Clinical Professor of Dermatology, Baltimore Medical College; Assistant in Dermatology, Johns Hopkins University, 1903-1906; *Assistant Dermatologist, the Johns Hopkins Dispensary.*

330 N. Charles St.

WILLIAM RUSH DUNTON, Jr., M. D.

Instructor in Psychiatry

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; Assistant in Psychiatry, Johns Hopkins University, 1906; *Assistant Neurologist, the Johns Hopkins Dispensary.*

E. Evesham Av., Govans.

JOSEPH ALBERT CHATARD, M. D.

Instructor in Medicine

A. B., Loyola College, 1898; Graduate Student, Johns Hopkins University, 1898-1899, and M. D., 1903; Assistant Resident Physician, St. Joseph's Hospital, 1903-1904; Assistant in Medicine, Johns Hopkins University, 1905-1907; *Assistant Physician, the Johns Hopkins Dispensary.*

40 W. Biddle St.

NATHAN EDMONDSON BERRY IGLEHART, M. D.

Instructor in Surgery

M. D., University of Maryland, 1889; Assistant in Surgery, Johns Hopkins University, 1900-1909; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

16 W. Preston St.

EDWARD MARTIN SINGEWALD, M. D.

Instructor in Neurology

M. D., University of Maryland, 1888; Assistant in Neurology, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

5 N. Washington St.

GEORGE LANE TANEYHILL, Jr., M. D.

Instructor in Neurology

A. B., Johns Hopkins University, 1900, M. D., 1904; Externe, the Johns Hopkins Hospital and Dispensary, 1904-1905; Assistant in Medicine, Johns Hopkins University, 1905-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

1103 Madison Av.

CHARLES WILLIAM LARNED, M. D.

Instructor in Medicine

M. D., University of Maryland, 1893; Assistant in Medicine, Johns Hopkins University, 1906-1909; Resident Physician, Free Lying-in-Hospital, University of Maryland, 1893-1894; Resident Physician, Hospital for Women of Maryland, 1894-1905; Physician to the Good Samaritan Hospital, and Professor of Clinical Medicine, Woman's Medical College of Baltimore; *Assistant Physician, the Johns Hopkins Dispensary.*

1327 Park Av.

HENRY LEE SMITH, M. D.

Instructor in Medicine

M. D., University of Maryland, 1894; A. M. (Hon.), St. John's College (Maryland), 1909; Assistant in Medicine, Johns Hopkins University, 1906-1909; Clinical Assistant, University Hospital; Resident Physician, Hospital for Women of Maryland; Studied in University of Marburg, Graz and Berlin; *Assistant Physician, the Johns Hopkins Dispensary.*

2701 N. Calvert St.

SAMUEL WOLMAN, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Phipps Dispensary for Tuberculosis, the Johns Hopkins Hospital.*

2407 Madison Av.

JOHN HENDRICKEN KING, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902; M. D., 1906; Assistant and Instructor in Medicine and Pathological Physiology, Johns Hopkins University, 1906-1909.

1227 N. Calvert St.

HARRY SELIGER GREENBAUM, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1899, and M. D., 1904; Student, University of Berlin, 1899-1900; Assistant in Medicine, Johns Hopkins University, 1907-1909; *Assistant Physician, the Johns Hopkins Dispensary.*

1614 Eutaw Place

CHARLES METCALFE BYRNES, M. D.

Instructor in Neurology

S. B., University of North Carolina, 1902; M. D., Johns Hopkins University, 1906; Adjunct Professor of Anatomy, University of Virginia, 1908-1909; *Assistant Neurologist, the Johns Hopkins Dispensary.*

207 E. Preston St.

JOHN STAIGE DAVIS, M. D.

Instructor in Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, the Johns Hopkins Hospital, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-1903; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1200 Cathedral St.

WILLIAM ALEXANDER FISHER, M. D.

Instructor in Surgery

A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; Resident House Officer, the Johns Hopkins Hospital, 1900-1901; *Assistant Surgeon, the Johns Hopkins Dispensary.*

715 Park Av.

OMAR BORTON PANCOAST, M. D.

Instructor in Surgery

S. B., Swarthmore College, 1893; M. D., Johns Hopkins University, 1897; Resident House Officer, the Johns Hopkins Hospital, 1897-1898; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1500 Madison Av.

GEORGE JULIUS HEUER, M. D.

Instructor in Surgery

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Resident House Officer and Assistant Resident Surgeon, Johns Hopkins Hospital, 1907-1911; *Resident Surgeon.*

The Johns Hopkins Hospital

LLOYD PARKER SHIPPEN, M. D.

Instructor in Hygiene and Bacteriology

A. B., Johns Hopkins University, 1902; M. D., University of Pennsylvania, 1907; Assistant in Bacteriology, Johns Hopkins University, 1911-1912.

209 W. Monument St.

KARL MILLER WILSON, M. D.

Instructor in Obstetrics

M. D. C. M., McGill University, 1908; House Surgeon, Montreal General Hospital, 1908-1909; Interne, Assistant Resident, and Resident Obstetrician, the Johns Hopkins Hospital, 1909-1912; Assistant and Instructor in Obstetrics, Johns Hopkins University, 1910-1912; Resident Gynecologist, Royal Victoria Hospital, Montreal, 1912-1913.

23 W. Chase St.

HENRY AUGUSTUS STEPHENSON, M. D.

Instructor in Obstetrics

A. B., Randolph-Macon College, 1906; M. D., Johns Hopkins University, 1910; Resident House Officer, Assistant in Obstetrics, and Assistant Resident Obstetrician, Johns Hopkins Hospital, 1910-12; *Resident Obstetrician.*

The Johns Hopkins Hospital

BERTRAM MOSES BERNHEIM, M. D.

Instructor in Surgery

A. B., Johns Hopkins University, 1901; M. D., 1905; Assistant in Surgery, Johns Hopkins University, 1911-1913; *Assistant Surgeon, the Johns Hopkins Dispensary.*

2319 Linden Av.

DAVID ISRAEL MACHT, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1903; Harvard Summer School, 1903-1905; Vol. Asst. Klinik, Prof. Landau, Berlin, 1906-1907; Assistant in Medicine, Johns Hopkins University, 1911-1913; *Externe, Phipps Dispensary.*

1511 Madison Av.

CHARLES ROBERT AUSTRIAN, M. D.

Instructor in Medicine, in Charge of the Laboratory of the Phipps Dispensary

A. B., Johns Hopkins University, 1904, and M. D., 1909; Resident House Officer, Johns Hopkins Hospital, 1909-1910; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

WALTER ALBERT BAETJER, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1905, and M. D., 1909; Resident House Officer, the Johns Hopkins Hospital, 1909-1910; Assistant Resident, the Johns Hopkins Hospital, 1910-1911; Resident Physician, City Hospital, Bay View, 1911-1912; *Assistant Resident Physician.*

The Johns Hopkins Hospital

THOMAS PECK SPRUNT, M. D.

Instructor in Medicine

A. B., Davidson College, 1903; M. D., Johns Hopkins University, 1909; Assistant, Instructor and Associate in Pathology, Johns Hopkins University, 1909-1913; *Assistant Resident Physician.*

The Johns Hopkins Hospital

ANDREW WATSON SELLARDS, M. D.

Instructor in Medicine in charge of Chemical Laboratory of Medical Clinic

A. B., University of Kansas, 1903, and A. M., 1904; M. D., Johns Hopkins University, 1909; Instructor in Tropical Medicine and Assistant Resident Physician, Philippine General Hospital, and Assistant to Bureau of Science, Manila, 1909-1911; *Assistant Resident Physician.*

The Johns Hopkins Hospital

HARVEY BRINTON STONE, M. D.

Instructor in Surgery

A. B., Johns Hopkins University, 1902, and M. D., 1906; Resident House Officer, Johns Hopkins Hospital, 1906-1907; Adjunct Professor of Surgery, University of Virginia, 1907-1910; *Assistant Surgeon, the Johns Hopkins Dispensary.*

214 E. Preston St.

KENNETH DANIEL BLACKFAN, M. D.

Instructor in Pediatrics

M. D., Albany Medical College, 1905; Pathologist, Albany Hospital, and Bacteriologist to Bender Laboratory, Albany, N. Y., 1905-1906; Resident Pediatrician, St. Louis Children's Hospital, 1911-1912; *Resident Pediatrician, Harriet Lane Home for Invalid Children, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

ALFRED PAUL JONES, M. D.

Instructor in Surgery

A. B., Fredericksburg College (Va.), 1904; M. D., University of Virginia, 1910.

ASSISTANTS

ROADES FAYERWEATHER, M. D.

Assistant in Orthopedic Surgery

A. B., Harvard University, 1899; M. D., Johns Hopkins University, 1903; Orthopedic Surgeon, Carney Hospital, Boston, 1903-1904; *Assistant Surgeon, the Johns Hopkins Dispensary.*

21 W. Franklin St.

EUGENE JOSEPH LEOPOLD, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1901; M. D., 1905; Graduate Student, University of Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Graduate Student, London, 1905-1907; *Assistant Physician, the Phipps Dispensary.*

803 Park Av.

GEORGE SAMUEL BOND, M. D.

Assistant in Medicine

B. S., Earlham College, 1903; A. B., University of Michigan, 1905, and M. D., 1908; Graduate Student, Johns Hopkins University, 1908-1909; Voluntary Assistant in Medicine, *ibid.*; Research Student, Rockefeller Institute, 1909-1910.

1717 Madison Av.

HOWARD ELMER ASHBURY, M. D.

Assistant in Surgery

Ph. G., Maryland College of Pharmacy, 1899; M. D., University of Maryland, 1908; *Assistant Surgeon, the Johns Hopkins Dispensary.*

1017 Cathedral St.

TRIGANT BURROW, M. D., Ph. D.

Assistant in Psychiatry

A. B., Fordham University, 1895; M. D., University of Virginia, 1899; Demonstrator in Biology, University of Virginia, 1899-1900; Graduate Student, Pathology and Bacteriology, and Philology, 1901-1903; Assistant in Psychology, Johns Hopkins University, 1906-1909, and Ph. D., 1909; *Assistant Psychiatrist, the Johns Hopkins Dispensary.*

707 St. Paul St.

FRANKLIN HAZLEHURST, Jr., M. D.

Assistant in Laryngology and Rhinology

A. B., Johns Hopkins University, 1903, and M. D., 1907; Acting Resident House Officer and Externe in Medicine, the Johns Hopkins Hospital, 1907-1908; Surgeon, Robert Garrett Hospital for Children; *Assistant Laryngologist, the Johns Hopkins Dispensary.*

230 W. Lafayette Av.

JOHN THOMAS SAMPLE, M. D.

Assistant in Medicine

A. B., University of Michigan, 1906, and M. D., 1908; Assistant in Medicine, *ibid.*, 1908-09; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

MARTIN FRANCIS SLOAN, M. D.

Assistant in Medicine

M. D., Baylor University, 1907; Resident Physician, Eudowood Sanatorium; *Externe, Phipps Dispensary.*

Eudowood

HEDLEY VICARS TWEEDIE, M. D.

Assistant in Ophthalmology

M. D., Baltimore Medical College, 1897; Assistant Surgeon, Baltimore Eye and Ear, Throat Charity Hospital; *Assistant in Ophthalmology, the Johns Hopkins Dispensary.*

508 Park Av.

SOLON ARTHUR DODDS, M. D.

Assistant in Obstetrics

Ph. B., Wesleyan University (Conn.), 1901; M. D., Johns Hopkins University, 1905; Interne in Obstetrics and Assistant Resident Gynecologist, the Johns Hopkins Hospital, 1905-1908.

3105 Clifton Ave., Walbrook.

SYDNEY ROBOTHAM MILLER, M. D.

Assistant in Medicine in charge of Laboratory of Internal Medicine
Phipps Psychiatric Clinic

S. B., New York University, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, the Johns Hopkins Hospital, 1910-1911; *Assistant Physician, the Johns Hopkins Dispensary.*

Elgin Av. and 12th St.

ISAAC ROSENBAUM PELS, M. D.

Assistant in Dermatology

A. B., Johns Hopkins University, 1902, and M. D., 1906; Interne, the Jewish Hospital, Philadelphia, 1906-1907; Externe in Medicine and Surgery, 1907-1909; Interne, Union Protestant Infirmary, Baltimore, 1908; *Assistant Dermatologist, the Johns Hopkins Dispensary.*

1509 Madison Av.

EDMUND BURKE HUEY, Ph. D.

Assistant in Psychiatry

A. B., Lafayette College, 1895; Ph. D., Clark University, 1899; Professor of Psychology and Education, University of Pittsburg, 1904-1908; Psychologist, Illinois State School and Colony for Feeble-Minded Children, 1909-1911; *Assistant Psychiatrist, the Johns Hopkins Dispensary.*

3700 N. Charles St.

HELEN WATSON WINTERNITZ, M. D.

Assistant in Medicine

A. B., Wellesley College, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer and Assistant Resident Physician, the Johns Hopkins Hospital, 1910-1913.

Delaware and Carroll Rds, Windsor Hills

DAVID MELVIN DAVIS, M. D.

Assistant in Pathology

S. B., Princeton University, 1907; M. D., Johns Hopkins University, 1911; Interne, City Hospital, Bay View, 1911-1912.

709 St. Paul St.

ROY DONALDSON McCLURE, M. D.

Assistant in Surgery

A. B., Ohio State University, 1904; Graduate Student, University of Prague, 1906; M. D., Johns Hopkins University, 1908; House Surgeon, N. Y. Hospital, 1908-1912; *Assistant Resident Surgeon.*

The Johns Hopkins Hospital

* EVERETT DUDLEY PLASS, M. D.

Assistant in Obstetrics

A. B., Colgate University, 1907; M. D., Johns Hopkins University, 1911; Resident House Officer, Johns Hopkins Hospital, 1911-1912; *Assistant Resident Obstetrician.*

The Johns Hopkins Hospital

BENJAMIN SCHÖNBRUN KLINE, M. D.

Assistant in Pathology

A. B., Swarthmore College, 1907; M. D., Johns Hopkins University, 1911; Interne, City Hospital, Bay View, 1911-12.

211 N. Milton Av.

HOLLAND NEWTON STEVENSON, 2d., M. D.

Assistant in Pathology

Ph. B., Yale University, 1908; M. D., Johns Hopkins University, 1912.

The Severn

* Absent on leave.

CAROLINE BENSON TOWLES, M. D.

Assistant in Pediatrics

A. B., Woman's College of Baltimore, 1893; M. D., Johns Hopkins University, 1905.

1106 Madison Av.

BENJAMIN BERNARD TURNER, PH. D.

Assistant in Pharmacology

B. Sc., University of London, 1894; Ph. D., University of Göttingen, 1899.

1318 Bolton St.

DAVID KENNEDY HENDERSON, M. B., CH B.

Assistant in Psychiatry

M. B. Ch. B., University of Edinburgh, 1907; Clinical Assistant, Royal Edinburgh Dispensary, 1908; Assistant Physician, Psychiatric Institute, New York, 1908-11; *Resident Physician, Phipps Psychiatric Clinic.*

The Johns Hopkins Hospital

ARTHUR LEONARD BLOOMFIELD, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1907, and M. D., 1911; Resident House Officer, the Johns Hopkins Hospital, 1911-12; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

EVELETH WILSON BRIDGMAN, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1908, and M. D., 1912; Resident House Officer, the Johns Hopkins Hospital, 1912-1913; *Assistant Resident Physician.*

The Johns Hopkins Hospital

ROY ROSS SNOWDEN, M. D.

Assistant in Medicine

A. B., Washington and Jefferson College, 1907; M. D., Johns Hopkins University, 1911; Resident Physician, City Hospital, Bay View, 1912-13; *Assistant Resident Physician, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

ALBERT KEIDEL, M. D.

Assistant in Surgery

A. B., Johns Hopkins University, 1900, and M. D., 1903; Clinical Assistant in Medicine, Johns Hopkins Hospital, 1903-1906; *Assistant Surgeon, Genito-Urinary Dispensary,*

847 Park Av.

WILLIAM LAWRENCE MILLEA, M. D.

Assistant in Obstetrics

A. B., Clark University, 1908; M. D., Johns Hopkins University, 1912; Resident House Officer, Johns Hopkins Hospital, 1912-1913; *Assistant Resident Obstetrician,*

The Johns Hopkins Hospital

HARRY RICHMOND SLACK, JR., M. D.

Assistant in Laryngology

A. B., University of Georgia, 1908; M. D., Johns Hopkins University, 1912; *Assistant Resident Surgeon.*

The Johns Hopkins Hospital

GEORGE WASHINGTON CORNER, M. D.

Assistant in Anatomy

A. B., Johns Hopkins University, 1909, and M. D., 1913.

Roland Park

PAUL GALPIN SHIPLEY, M. D.

Assistant in Anatomy

M. D., Yale University, 1913.

DANIEL DAVIS, M. D.

Assistant in Physiology

A. B., Harvard University, 1909; M. D., Johns Hopkins University, 1913.

626 N. Broadway

ALAN MASON CHESNEY, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1908 and M. D., 1912; Resident House Officer, the Johns Hopkins Hospital, 1912-1913; *Assistant Resident Physician.*

The Johns Hopkins Hospital

CHARLES ADAM LAUBACH, M. D.

Assistant in Hygiene and Bacteriology

S. B., Muhlenburg College, 1909; M. D., Johns Hopkins University, 1913.

2808 E. Baltimore St.

VOLUNTARY ASSISTANT

ALEXIUS McGLANNAN, M. D.

Voluntary Assistant in Surgery

M. D., College of Physicians and Surgeons (Balt.), 1895.

114 W. Franklin St.

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WILLIAM H. WELCH, M. D. ..... *Pathologist*
JOHN HOWLAND, M. D. ..... *Pediatrician in Chief*
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HENRY M. THOMAS, M. D. ..... *Neurologist*
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RICHARD H. FOLLIS, M. D. ..... *Associate in Surgery*
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LOUIS V. HAMMAN, M. D. ..... *Associate in Medicine*
WILLIAM W. RUSSELL, M. D. ..... *Associate in Gynecology*
THOMAS S. CULLEN, M. D. ..... *Associate in Gynecology*
GUY L. HUNNER, M. D. ..... *Associate in Gynecology*
CURTIS F. BURNAM, M. D. ..... *Associate in Gynecology*
WILLIAM S. BAER, M. D. ..... *Associate in Orthopedic Surgery*
FREDERICK H. BAETJER ..... *Associate in Actinography*
CHARLES A. WATERS, M. D. ..... *Assistant in Actinography*
KARL M. WILSON, M. D. ..... *Assistant in Obstetrics*
EDWARDS A. PARK, M. D. ..... *Assistant in Pediatrics*
GEORGE H. WHIPPLE, M. D. ..... *Resident Pathologist*
ERNEST W. GOODPASTURE, M. D. ..... *Assistant Resident Pathologist*
PAUL W. CLOUGH, M. D. ..... *Resident Physician*
GEORGE J. HEUER ..... *Resident Surgeon*

*Corrected to September 1, 1913.

Leon H. Watkins, M. D. ..... *Resident Gynecologist*
Henry A. Stephenson, M. D. ..... *Resident Obstetrician*
Kenneth D. Blackfan, M. D. ..... *Resident Pediatrician*
David K. Henderrson, M. D. ..... *Resident Psychiatrist*

Charles R. Austrian, M. D. ....
Thomas P. Sprunt, M. D. .....
Alan M. Chesney, M. D. .....
William L. Moss, M. D. .....
Clyde G. Guthrie, M. D. .....
Andrew L. Sellards, M. D. ....
Arthur L. Bloomfield, M. D. ..
Eveleth W. Bridgman, M. D. ..
George Minot, M. D. .....
Roy L. Snowden, M. D. .....
Carl von Noorden, Jr., M. D. ..
} ...*Assistant Resident Physician*

Roy L. McClure, M. D. .....
J. Paul Pratt, M. D. .....
Walter E. Dandy, M. D. .....
Frank Hinman, M. D. .....
Harry R. Slack, M. D. .....
Carroll W. Waldron, M. D. ....
Lewis C. Spencer, M. D. .....
Charles H. Watt, M. D. .....
} ....*Assistant Resident Surgeon*

J. Craig Neel, M. D. .....
Veader N. Leonard, M. D. .....
William M. Dumm, M. D. .....
} *Assistant Resident Gynecologist*

William L. Millea, M. D. .....
Willa M. Fricke M. D. .....
} ..*Assistant Resident Obstetrician*

Edward J. Kempf, M. D. .....
Ralph P. Truitt, M. D. .....
} ..*Assistant Resident Psychiatrist*

James R. Garber, M. D. ..... *Interne in Obstetrics*

Roscoe W. Hall, M. D. .....
Tedrow S. Keyser, M. D. .....
} .....*Internes in Psychiatry*

Resident House Officers:

Wilbur G. Carlisle, M. D.
Henry W. Cave, M. D.
Howard L. Cecil, M. D.
Helen D. Clarke, M. D.
Ernest C. Fishbaugh, M. D.
Walter R. Holmes, M. D
Edward Jelks, M. D.
Robert L. Levy, M. D.
Louis D. Minsk, M. D.
Lawrence T. Post, M. D.
Grover F. Powers, M. D.
Henry N. Shaw, M. D.
F. Janney Smith, M. D.
Martillus N. Todd, M. D.
Joseph R. Turner, M. D.

OUT-PATIENT DEPARTMENT

Ralph B. Seem, M. D.....*Director of Dispensary*
Lewellys F. Barker, M. D.....*Physician in Chief*
William S. Thayer, M. D.....*Associate Physician*
William S. Halsted, M. D.....*Surgeon in Chief*
John M. T. Finney, M. D.....*Associate Surgeon*
Howard A. Kelly, M. D.....*Gynecologist in Chief*
J. Whitridge Williams, M. D.....*Obstetrician in Chief*
Adolf Meyer, M. D.....*Psychiatrist in Chief*
John Howland, M. D.....*Pediatrician in Chief*

DEPARTMENT OF MEDICINE

A—*General Medicine:*

Thomas B. Futcher, M. B.....*Division Chief*
Thomas R. Boggs, M. D.....*Associate Division Chief*
Frank R. Smith, M. D.....
Louis P. Hamburger, M. D.....*Physicians in Charge*
David C. Streett, M. D.....*Director of Laboratory*
Joseph A. Chatard, M. D.....
Nathaniel S. Garb, M. D.....
Henry Lee Smith, M. D.....
Charles W. Larned, M. D.....
Sidney Miller, M. D.....
Bertha C. Tapman, M. D.....
Dudley Williams, M. D.....
Harry S. Greenbaum, M. D.....*Assistant Physicians*
Eugene J. Leopold, M. D.....
George H. White, M. D.....
David I. Macht, M. D.....
Gustav H. Woltereck, M. D...
Robert W. B. Mayo, M. D....
William K. Skilling, M. D....
Henry B. Athey, M. D.....

B—*Clinical Neurology:*

Henry M. Thomas, M. D.....*Neurologist*
Edward M. Singewald, M. D..
G. Lane Taneyhill, M. D.....
Charles M. Byrnes, M. D.....
Robert A. Warner, M. D.....*Assistant Neurologists*
Richard C. Bunting, M. D.....
Edgar E. Hume, M. D.....

C—*Phipps Dispensary:*

Louis V. Hamman, M. D.....*Division Chief*
Samuel Wolman, M. D.....
Martin F. Sloan, M. D.....*Physicians in Charge*
William L. Moss, M. D.....*Director of Laboratory*
Eugene J. Leopold, M. D.....
John Girdwood, M. D.....
Joseph J. Kemler, M. D.....*Assistant Physicians*
Edward V. Coolahan, M. D....

D—*Gastro-Intestinal Diseases:*

Thomas R. Brown, M. D.....*Division Chief*
Ernest H. Gaither, M. D.....
Elmer B. Freeman, M. D.. ....*Assistant Physicians*
Edgar P. Sandrock, M. D.....

DEPARTMENT OF PEDIATRICS

Edwards A. Park, M. D.....*Pediatrician in Charge*
J. H. Mason Knox, M. D.....
Richard A. Urquhart, M. D...
Harry L. Whittle, M. D.....
Kenneth D. Blackfan, M. D..*Assistant Pediatricians*
Louis D. Minsk, M. D.....
Grover F. Powers, M. D.....
Joseph Richard Turner, M. D..

DEPARTMENT OF PSYCHIATRY

C. Macfie Campbell, M. D.....*Psychiatrist in Charge*
David K. Henderson, M. D.....*Assistant Psychiatrist in Charge*
George F. Sargent, M. D.....
Trigant Burrow, M. D.....
*Edmund B. Huey, Ph. D.....
Daniel D. V. Stuart, M. D....
Irving J. Spear, M. D.....*Assistant Psychiatrists*
Edward J. Kempf, M. D.....
Ralph P. Truitt, M. D.....
Tedrow S. Keyser, M. D.....
Roscoe W. Hall, M. D.....
Henri Fleurnoy, M. D.....

*Absent on leave.

DEPARTMENT OF SURGERY

A—*General Surgery*

JOHN M. T. FINNEY, M. D.....*Division Chief*

GEORGE WALKER, M. D.....
RICHARD H. FOLLIS, M. D.....
.....*Surgeons in Charge*

OMAR B. PANCOAST, M. D.....
J. STAIGE DAVIS, M. D.....
WILLIAM A. FISHER, M. D.....
BERTRAM M. BERNHEIM, M. D...
CHARLES R. AHROON, M. D.....
NATHAN E. B. IGLEHART, M. D..
RONALD T. ABERCROMBIE, M. D..
ELLIOTT H. HUTCHINS, M. D....
HARVEY B. STONE, M. D.....
HARRY L. HOMER, M. D.....
.....*Assistant Surgeons*

B—*Ophthalmology:*

SAMUEL THEOBALD, M. D.....*Ophthalmic Surgeon*
ROBERT L. RANDOLPH, M. B.....*Associate Ophthalmic Surgeon*

LEO J. GOLDBACH, M. D.....
HEDLEY V. TWEEDIE, M. D.....
LLOYD B. WHITHAM, M. D.....
.....*Assistant Surgeons*

C—*Genito-Urinary Diseases:*

HUGH H. YOUNG, M. D.....*Genito-Urinary Surgeon*
JOHN T. GERAGHTY, M. D.....*Surgeon in Charge*

FREDERICK W. HOBELMAN, M. D.
ALBERT KEIDEL, M. D.....
.....*Assistant Surgeons*

D—*Laryngology, Rhinology and Otology:*

SAMUEL J. CROWE, M. D.....*Laryngologist in Charge*

HOAGLAND C. DAVIS, M. D.....
FRANKLIN HAZELHURST, JR., M.D.
HARRY R. SLACK, M. D.....
CARL W. WALDRON, M. D.....
.....*Assistant Laryngologists*

E—*Dermatology:*

T. CASPAR GILCHRIST, M. D.....*Dermatologist*
J. WILLIAMS LORD, M. D.....*Dermatologist*

EDGAR R. STROPEL, M. D.....
ISAAC R. PELS, M. D.....
J. EDWARD GATELY, M. D.....
JOHN SCOTT WILLOCK, M. D....
.....*Assistant Dermatologists*

F—*Orthopedic Surgery:*

William S. Baer, M. D.....*Orthopedic Surgeon*
Howard E. Ashbury, M. D.....
Roades Fayerweather, M. D..
George E. Bennett, M. D.....
Carl R. Ahroon, M. D.....
Dan Lawler, M. D.....
Lewis C. Spencer, M. D.....
.....*Assistant Surgeons*
Miss J. Metivier.....*Assistant in Medical Gymnastics*
Miss Anna K. Bean.....*Masseuse*
Miss Mary K. McDowell.....*Masseuse*

DEPARTMENT OF GYNECOLOGY AND OBSTETRICS

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Edward H. Richardson, M. D..
Leon H. Watkins, M. D.....
.....*Gynecologists in Charge*
J. Craig Neel, M. D.....
Veader N. Leonard, M. D.....
William M. Dumm, M. D.....
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B—*Obstetrics:*

Henry A. Stephenson, M. D.....*Obstetrician in Charge*
William L. Millea, M. D.....
Willa M. Fricke, M. D.....
James R. Garber, M. D.....
.....*Assistant Obstetricians*

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THE MUNICIPAL TUBERCULOSIS HOSPITAL
THE DETENTION HOSPITAL FOR THE INSANE

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Third-year students receive clinical instruction in medicine in the City and Tuberculosis Hospitals during the third trimester.

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Elective work will be offered during the entire year.

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The Medical Department of the Johns Hopkins University was opened for the instruction of students October, 1893. It is an integral and coördinate part of the University, and is in the closest affiliation with the Johns Hopkins Hospital, the professors of the various clinical branches being the heads of the corresponding departments in the Hospital.

The course of instruction extends over four years, and is planned for the professional training of those who have received a liberal education, as indicated by a collegiate degree in arts or science from an acceptable institution, including a reading knowledge of French and German and adequate training in physics, chemistry, and biology. Men and women are admitted upon the same terms.

In order to afford requisite facilities, the number of students in each class is limited to ninety.

Throughout the course special emphasis is laid upon practical work in the laboratories and in the dispensary and wards of the hospital. While the primary aim of the School is to train practitioners of medicine and surgery, it is recognized that the medical art should rest upon a suitable preliminary education and upon thorough training in the underlying medical sciences. The first two years are devoted mainly to practical work, combined with demonstrations recitations and lectures, in the laboratories of anatomy, physiology, physiological chemistry, pharmacology, pathology, and bacteriology. During the last two years the student is given abundant opportunity for the personal study of sick patients, and most of his time is spent in the hospital wards or dispensary, and in the clinical laboratories.

The instruction begins on the morning of the first Tuesday of October. Candidates for admission are required to

be present on the preceding Friday (see the Calendar, page 7). The graduating exercises are held on the second Tuesday of June. There are short recesses at Christmas and Easter.

All inquiries should be addressed to the Dean of the Johns Hopkins Medical School.

REQUIREMENTS FOR ADMISSION

As candidates for the degree of Doctor of Medicine the School receives:

I. Those who have satisfactorily completed the Chemical-Biological course, which leads to the A. B. degree in this University (Group V., course preliminary to medicine).

II. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have an acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry and physics, as may be obtained by a year's course in these subjects, when accompanied by laboratory work.*

* Biology.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

Chemistry.—The minimum requirement is a one year course, including five hours of laboratory work a week throughout the year, covering the outlines of inorganic chemistry and the elements of organic chemistry, somewhat as presented in Remsen's "Introduction to the Study of Chemistry." Students entering after October, 1914, will be required to present evidence that in addition to these requirements they have had an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

III. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and in addition, the knowledge of Latin, French, German, physics, chemistry, and biology above indicated.

(Thus far, no students have been accepted under this special provision.)

Application for Admission

Application for admission should be made to the Dean, who will furnish printed blanks, one page of which is to be filled out by the applicant and the other by an officer of the institution at which the collegiate degree was obtained. The former gives information concerning the general preliminary education of the applicant, and the latter authoritative data concerning the instruction received in the pre-medical sciences and the modern languages.

Applicants meeting all requirements will be accepted without examination, so long as vacancies exist in the class to which admission is desired. Under no conditions will applicants be accepted who are deficient in either biology or chemistry, but in exceptional instances, those having only a single deficiency in French, in German or in laboratory physics may be admitted conditionally, on the understanding that the condition must be absolved before the beginning of the second year.

Physics.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

Latin.—The candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

Admission to Advanced Standing

Students from acceptable medical schools may be admitted to the second, third or fourth year classes if vacancies occur. Such applicants must furnish evidence (1) that they are eligible to the first year class without conditions of any kind; (2) that medical courses equivalent in kind and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (3) they must be prepared to pass examinations at the beginning of the session in October in all subjects already pursued by the class to which admission is sought. The applicant must have studied as a matriculated medical student for a period of time at least equal to that already spent by the class which he seeks to enter.

As graduation from an approved college or scientific school is essential for admission to this school, applicants from universities conferring a degree upon the completion of a combined course, consisting of two years of collegiate and two years of medical work, are not eligible for admission to our third year class.

Instruction for Graduates in Medicine

Beginning the first of June each year, six weeks courses, especially adapted to meet the needs of practitioners of medicine, are given in medicine, surgery and various specialties, as well as in several of the underlying medical sciences. These courses are described on page 105.

During the school year, at the discretion of the Heads of Departments, a limited number of graduate students may be admitted to work in the several departments, in so far as they do not occupy the places or interfere with the routine work of the undergraduate students.

In every instance the arrangement for such instruction and facilities must be made directly with the head of the depart-

ment concerned, but work cannot be commenced until after registration at the Dean's office.

Persons who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates for that degree from this University. Should further instruction be desired, they are advised to enter as graduate students.

Special Workers.—Special workers, not candidates for a degree, may be received at the discretion of the Faculty.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for admission, have completed satisfactorily a four years' course of study.

Students who have been admitted to advanced standing, as well as those of our own students who have been granted permission to pursue a part of their studies elsewhere, must spend at least the final year in the Medical School of this University.

The degrees are publicly conferred at the University Commencement on the second Tuesday of June, or on Commemoration Day, February the twenty-second.

EXAMINATIONS

At the end of the fifth trimester, the records of all students in the second year class are reviewed by the Committee on Instruction and Examinations for the first two years. Students who are reported as having failed in any two of the following subjects: Anatomy (including Histology), Physiology, Physiological Chemistry, Pharmacology, Pathology (including Bacteriology), will be required to withdraw from

the school. Those who fail in one subject will be allowed to take a second examination not later than the following October. Failure in this second examination necessitates withdrawal from the school.

No student will be permitted to enter upon the work of the fourth year until he has absolved the required third year work in Gynecology, Physical Diagnosis, Clinical Microscopy and Neurology.

Final examinations for graduation will be held in Medicine, Surgery, Obstetrics and the Major Electives. The examination in Obstetrics may be absolved at the end of the third or during the fourth year. No student will be permitted to continue in the school if he fails in any two of these subjects, or if he fails a second time in Medicine or Surgery.

Students not appearing for examination on the specified dates will be required to pay a fee of $5.00 for special examination.

The estimation of the standing of each student is based upon the general character of his work, as well as upon the results of examinations. Students are not graded, but simply recorded as having passed or failed.

First and Second Years

Practical examination in Microscopic Anatomy will be held at the end of the second trimester of the first year, and in Gross Anatomy after the student has completed the dissection of the human body. The final examination in Anatomy must be taken not later than the end of the second trimester of the second year.

Final examinations in the other subjects will be given as follows:

Bacteriology: at the end of the third trimester of the first year.

Physiological Chemistry: Group A, at the end of the third

trimester of the first year; Group B, at the end of the first trimester of the second year.

Physiology: at the end of the first trimester of the second year.

Pathology: at the end of the second trimester of the second year.

Pharmacology: at the end of the second trimester of the second year.

Third and Fourth Years

At the end of the third year, final examinations are held in obligatory obstetrics, gynecology, nervous diseases, clinical microscopy and surgical pathology.

At the end of the fourth year final examinations are held in medicine and surgery. In the elective courses and special branches, the examinations are given to each section upon the completion of the work.

GENERAL PLAN OF INSTRUCTION

Each year is divided into trimesters, the first extending from October to the Christmas recess, the second from January to March 15, and the third from March 15, to the end of the academic year.

The first two years of the course are devoted mainly to the fundamental medical sciences, the larger part of the time being spent in practical work in the laboratories. In the last two years the various clinical branches are studied in the wards of the Hospital, the dispensary, and in the clinical laboratories.

The principal studies of the first year are anatomy, histology, neurology, bacteriology, physiology, and physiological chemistry. The study of anatomy and of physiology is continued in the second year, together with general path-

ology, pathological anatomy and histology, pharmacology, and toxicology. During the last trimester of the second year instruction is begun in physical diagnosis and in certain surgical methods, as an introduction to the clinical work of the succeeding years.

The major portion of the work of the first two years is obligatory for all students, but the time is so arranged that certain elective courses may be selected; thereby making it possible either to give more time to the obligatory courses, or to do special work along related lines.

In these two years thirty units of work are required—the unit being a course or group of courses of instruction equivalent to five hours a week for one trimester. Consequently it is necessary for the student to take five units of obligatory and elective work during each trimester, in order to complete in two years the requirements for entrance upon the clinical studies. The system, however, permits him to spend an additional trimester or longer in the preparatory work, should it prove necessary or desirable.

As the third and fourth years are devoted to practical medicine, they can not be taken up until the student has obtained credit for the prescribed minimum of work in the underlying sciences.

The work of the third year is largely obligatory. During this year the student attends the clinics and dispensary exercises in medicine and surgery, and completes the required work in obstetrics, gynecology and nervous diseases.

For the morning work the class is divided into four groups. From 9 to 10 a. m. each group receives instruction in obstetrics, gynecology or surgery, and from ten o'clock to noon the time is devoted to practical work in the medical, surgical and nervous departments of the Dispensary. From 12 noon to 1 p. m. the entire class attends the large amphitheatre clinics in medicine or surgery. The afternoons are devoted mainly to laboratory work in clinical microscopy and surgical pathology. Instruction is also given in practical

therapeutics and pharmacy, thus completing the pharmacological work of the previous year. Moreover, short propadeutical courses are given to familiarize the student with the use of the ophthalmoscope and laryngoscope. On certain afternoons there are also offered a number of short elective courses of a practical character, and each student is required to select from them a sufficient amount of work to give him a credit of one and a half units.

The work of the fourth year is partly elective. For this purpose the class is divided into three groups, each working in rotation for one trimester in medicine, surgery and certain elective subjects.

Each student must complete 18 units of work during the year—the unit being a course or group of courses occupying six hours a week for one trimester. Twelve units are obligatory, and include six units in medicine (including Pediatrics) three units in surgery, one unit in ophthalmology, one unit which may be selected from laryngology, dermatology, genito-urinary surgery, orthopedics or neurology; while another unit is based upon attendance upon a weekly amphitheatre clinic in medicine, and upon a group of lectures upon medical zoölogy, psychiatry, hygiene, medical jurisprudence and medical ethics.

The obligatory work in medicine, which includes a part of the required work in pediatrics, requires, at least, six hours of work a day for one trimester. The members of this group act as clinical clerks in the medical wards of the hospital, a certain number of beds being assigned to each student. They take the histories of the patients, and make the necessary examinations and notes under the guidance and direction of the resident physician. They accompany the physician-in-chief or some member of the senior staff in the daily ward-rounds, and receive special bedside and laboratory instruction.

In the surgical trimester, the student gives three hours a day to attendance upon ward-rounds, operations, and to work in the surgical laboratories. The members of this

group take the histories of patients and act as surgical dressers in the wards. They make the morning visits with the surgeon-in-chief or the resident surgeon, and have daily opportunities to become familiar with the diagnosis, management and progress of surgical cases. They are given an opportunity to take an elective course in operative surgery upon animals.

The elective work is arranged in major, minor and fractional courses. The former occupy 3 or 2½ hours a day throughout one trimester, according as the classes are in the morning or afternoon, and count as 3 or 2½ units respectively. In the minor courses, which count as one unit, one hour a day, or two hours every alternate day, throughout one trimester, are devoted to the subject; while several fractional courses may be combined to make one unit. Students choosing such courses must register at the Dean's office and will be expected to perform the work satisfactorily and to submit to an examination at its close. In fractional courses, which count as less than one-half of a unit, examinations will not be held, and regular attendance, properly certified by the instructor, will entitle the student to the allotted credit.

After having once been chosen, elective courses must be followed to the end of the trimester. The courses so selected may continue the practical work in medicine, surgery, obstetrics, gynecology, etc., or may bear upon the various specialties, or may be taken in the laboratories of the underlying medical sciences.

Accordingly, the time of each fourth year student is apportioned as follows: trimester A, practical work in medicine during the entire day; trimester B, practical work in surgery during the morning, and in the afternoons short courses in ophthalmology, and in one of the special branches of medicine; trimester C, six units of elective work. In other words, each student after completing certain minimal requirements, chiefly in medicine and surgery, may extend his

knowledge by taking a number of short clinical courses in different departments, as in most medical schools, or he may concentrate his attention upon the work of a few departments.

CLINICAL OPPORTUNITIES

Satisfactory clinical facilities for ninety students in each class are afforded by the Johns Hopkins Hospital and Dispensary, which occupies a site of fourteen acres immediately adjoining the grounds of the Medical School.

The Hospital is governed by its own Board of Trustees and has an endowment independent of that of the University and its Medical School, but the relations between the two institutions are most intimate; as the will of their Founder directed that the Hospital should be a part of the Medical School of the University. The superintendent of the Hospital and all of its chief officers are members of the Medical Faculty; while the incumbents of the chief clinical chairs of the University are also members of the Medical Board of the Hospital. This interlocking arrangement has resulted in the greatest possible utilization of the patients of the Hospital for the instruction of the third and fourth year students of the Medical School.

The Hospital is unusually well equipped and contains 600 beds, while its Dispensary is visited each day by more than 300 patients. In addition to the large administration building and the pay wards, the Hospital is made up of a group of buildings containing five large wards for white patients suffering from medical, surgical and gynecological diseases, a separate building for colored patients, an isolation and an obstetrical ward. Facilities for instruction in Pediatrics, Psychiatry and Genito-urinary diseases are afforded by the Harriet Lane Home for Invalid Children, the Henry Phipps Psychiatric Clinic and the James Buchanan Brady Uro-

logical Institute. These three buildings are upon the Hospital grounds, and, while maintained by separate foundations, are conducted as integral parts of the Johns Hopkins Hospital.

In addition to the necessary buildings for the nurses' home, kitchen, laundry, etc., the following buildings also occupy the Hospital lot:—the Pathological and Clinical Laboratories, the general Dispensary, the Phipps' Dispensary for Tuberculosis, and the Surgical building. This latter contains not only the surgical operating rooms and amphitheatre, but also class rooms for instruction in Medicine, as well as the laboratory for surgical pathology and the laboratories of the medical clinic.

Through the courtesy of the Supervisors of City Charities of Baltimore, the Johns Hopkins University has the privilege for part of the year of utilizing for clinical instruction the patients in the various departments of the City Hospitals at Bay View. During the first trimester practical instruction in mental diseases is given to the fourth-year class; and during the third trimester the wards of the general and tubercular hospitals are utilized for the instruction of the third-year students in medicine, surgery and pathology.

GENERAL INFORMATION

REGISTRATION

At the beginning of the year, students will not be admitted to the undergraduate courses until they have registered at the Dean's office and paid their fees for the first trimester.

Graduate students, after receiving permission from the Heads of Departments to enter any course under their supervision, must register at the Dean's office before beginning work. Upon payment of the requisite fees, a card will be issued stating the courses which the holder is entitled to take. This card must be presented to the instructor in charge of each course, in order that its holder may be recognized and receive due credit for his work.

CHARGES FOR TUITION

The charge for tuition is two hundred and forty dollars per annum, payable in three installments, October, January and March 15. There are no extra charges, except for rental of microscope, laboratory breakage and certain expensive supplies. A deposit of ten dollars is required from each student at the time of enrollment. This caution money is repaid when the student leaves, if there are no charges against it.

Bills may be paid at the Dean's office, or at the office of the Treasurer of the University, on North Howard Street.

MICROSCOPES

The character of the practical work throughout the entire course requires the constant use of the microscope. Every student is recommended to purchase one, but those who do

not care to do so may obtain one from the school upon the payment of a yearly rental of five dollars, with an additional charge of two dollars if an oil immersion lens is desired. A microscope thus rented is given entirely into the charge of the student, but it must be returned in good condition at the end of the year.

A yearly charge of one dollar is made for the rental of a dissecting microscope.

Microscopes are not provided in the graduate courses, but may be rented from the Registrar at the rates just stated. Those doing so will be required to deposit $10.00, which will be returned at the end of the course if the microscope is not injured.

SCHOLARSHIPS

Hopkins Scholarships

Six Hopkins Scholarships are open annually to students from Maryland, North Carolina and Virginia. These scholarships give free tuition for one year and are granted to deserving students who have shown marked aptitude in their work. Three are given to fourth-year students, two to third-year students and one to a second-year student. Applications should be addressed to the Dean of the Medical School not later than May first, in accordance with a prescribed form.

The Joseph Kernochan Garr Scholarship

Through the kindness of Mrs. Henry Lee Smith, of Baltimore, the Medical Faculty is authorized to provide a scholarship amounting to $100 a year to aid a deserving student. The scholarship is known as "The Joseph Kernochan Garr Scholarship." Applications should be addressed to the Dean on May first of each year.

HOSPITAL APPOINTMENTS

At the close of the academic year in June, sixteen or more unmarried members of the graduating class are recommended to the Medical Board of the Johns Hopkins Hospital for appointment as Resident House Officers, to serve for one year from the following first of September.

The recommendations for these appointments are made as follows: in December a notice is posted giving the number of places available in each service and directing those desiring appointment to apply directly to the head of the respective department. At a special meeting of the Medical Faculty to be held early in January, the head of each service entitled to such appointments shall submit to the Board for approval the names of those who have been selected by him for his service, together with such evidence as he has obtained concerning the character of their work and their fitness for the position. The names thus submitted, so far as they are unanimously approved by the Medical Faculty, shall be transmitted to the Superintendent of the Hospital for confirmation by the Trustees of the Johns Hopkins Hospital.

In each hospital service to which such internes are assigned, one appointment may be exempted from this arrangement, the appointee being selected by the responsible head of the service from graduates of other schools.

A certain number of externe appointments are also offered. These appointees have the privilege of working in the Hospital and dispensary. They may assist in teaching, and pursue advanced work and original research in the various laboratories without charge.

The appointments of the resident physician, surgeon, gynecologist and obstetrician, etc. of the Johns Hopkins Hospital are permanent. The various resident assistantships under these are annual appointments, subject to renewal.

MEDICAL SUPERVISION OVER STUDENTS

Each year the University appoints and pays an official medical adviser to the students of the Medical Department. This officer has a definite hour for consultation, and, when requested, is expected to visit in their own homes such students as are too ill to come to him, and to obtain for them the services of specialists when necessary.

Dr. Paul W. Clough, the Resident Physician to the Hospital and Associate in Medicine in the University, holds this position for the current academic year.

In order to guard more carefully the health of the students, the Advisory Board of the Medical Faculty decided in 1909, that all entering students should undergo a medical examination. During the month of October each student is directed to report to one of a group of physicians selected for this purpose, when a careful physical examination is made and the results are recorded and placed on file. If unsatisfactory conditions are discovered the student is given appropriate advice.

A competent physician has also been appointed to supervise the hygienic conditions of all boarding houses which advertise for the patronage of students. A list of such houses as satisfy his requirements is posted in the office of the Medical School.

LIBRARIES

The University Library contains 173,363 volumes, selected with especial reference to the instruction here given. It is arranged in several collections.

The works relating to medicine are placed in special libraries in the main building of the Hospital and in the Medical School, and are readily accessible to students and

to the workers in the laboratories. The leading medical periodicals of the world are regularly received and complete sets of the more important journals are on the shelves.

The library of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, contains 27,000 volumes, and is conducted in affiliation with the library of the Hospital and the Medical School. Other libraries of Baltimore are the Peabody (205,300 volumes), the Enoch Pratt (301,769 volumes), and the New Mercantile (88,227 volumes). With the exception of the last-named, these libraries are open to students of the Medical School without charge.

Washington is so near that its libraries and museums may be easily utilized. Among the chief institutions of interest to students are: The Smithsonian Institution and National Museum, the Library of Congress, the Library of the Surgeon-General's office, and the Libraries of the various Departments and Bureaus.

MEDICAL SOCIETIES

The Hospital Medical Society, the Laennec Society and the Historical Club meet at the Hospital regularly throughout the academic year. These, as well as the regular meetings of the sections of the Baltimore City Medical Society, held in the Medical and Chirurgical Building, are open to students.

PUBLICATIONS

The Bulletin of the Johns Hopkins Hospital, issued monthly, contains articles by those connected with the Medical School and Hospital and the proceedings of the Hospital Societies. The Johns Hopkins Hospital Reports contain the larger monographs and results of researches in the Hospital and the laboratories of the Medical School.

DEPARTMENTS OF INSTRUCTION AND ANNOUNCEMENT OF COURSES

DEPARTMENTS OF INSTRUCTION

The following statements are designed to exhibit the opportunities and the character of the instruction and practical work in each department.

Anatomy

Franklin P. Mall, M. D., Professor of Anatomy.
Warren H. Lewis, M. D. Professor of Physiological Anatomy.
Florence R. Sabin, M. D., Associate Professor of Anatomy.
Herbert M. Evans, M. D., Associate Professor of Anatomy.
Eliot R. Clark, M. D., Associate in Anatomy.
Charles R. Essick, M. D., Associate in Anatomy.
Edmund V. Cowdry, Ph. D., Associate in Anatomy.
George W. Corner, M. D., Assistant in Anatomy.
Paul G. Shipley, M. D., Assistant in Anatomy.
....., Assistant in Anatomy.

Courses of instruction are provided in various anatomical sciences—embryology, histology, microscopic anatomy, neurology and gross human anatomy—and opportunities are afforded for advanced work and investigation in these sciences.

The required courses (I, II, III and IV) for candidates for the degree of Doctor of Medicine may be completed during the first year of the medical course.

Students who have completed the required course in anatomy may elect any of the courses in this department.

Physicians and students not candidates for a medical degree may be admitted to any of the courses by special arrangements with the instructors and may undertake advanced work and original research.

Required Courses

I. Systematic Courses in the Anatomy of the Human Body. Professor Lewis, Dr. Clark, Dr. Essick and Dr. ..... Autumn trimester, daily, 9-12.

II. Systematic Courses in the Anatomy of the Human Body. Continuation of Course I. Professor Lewis, Dr. Clark, Dr. Essick and Dr. ..... Winter trimester, daily, 9-12.

In courses I and II the student makes a complete dissection of all the structures, using atlases and text-books as guides. The work of each student is largely independent.

III. Histology (laboratory). Professor Mall, Professor Sabin, Dr. Cowdry, Dr. Corner and Dr. Shipley. Monday, Wednesday and Friday, 2-5. Lectures, Professor Sabin, Thursday, 2-3 Autumn trimester.

IV. Histology and Organology (laboratory). Professors Mall and Sabin, Drs. Cowdry, Corner and Shipley, Monday and Wednesday, 2-5. Lectures, Professor Sabin, Tuesday, 2-3. Winter trimester.

Elective Courses

V. History of Anatomy. Dr. Corner. Winter trimester. Thursdays, 2-3.

VI. Physiological Anatomy. Professor Lewis. Autumn and Winter trimesters. Tuesday, 12-1.

VII. Conference in Osteology. Dr. Clark. Autumn trimester. Monday, 12-1.

VIII. Study-Room Course in Anatomy. Professor Lewis. Autumn trimester, daily, 9-12. Dr. Clark, Spring trimester, daily, 9-12.

IX. Topographical Anatomy. Dr. Essick. Winter trimester, daily, 9-12.

X. Anatomy of the Infant. Dr. Clark. Winter trimester, daily, 9-12.

XI. Embryology. Original Investigation. Autumn, Winter and Spring trimesters. Professor Evans.

XII. Advanced Human Embryology. Professor Mall. Autumn, Winter and Spring trimesters.

XIII. Advanced Neurology. Professor Sabin. Spring trimesters, forenoons.

XIV. Structure and Development of the Vascular System. Spring trimester. Professor Evans.

XV. Original Investigation. Autumn, Winter and Spring trimesters, daily.

Graduate Work

Gross Anatomy. Professor Lewis. Fall, Winter and Spring trimesters. Hours arranged with the instructor.

Dissection, study of prepared specimens and of frozen sections. Fee $25.00.

Physiology

William H. Howell, M. D., Professor of Physiology.
Donald R. Hooker, M. D., Associate Professor of Physiology.
Charles D. Snyder, Ph. D., Associate Professor of Physiology.
Daniel Davis, M. D., Assistant in Physiology.

The course in physiology extends from January of the first year to January of the second year.

The work consists of a systematic course of lectures covering the subject of animal physiology, experimental work in the laboratory, demonstrations and recitations. Recitations are held upon the subject-matter covered by the lectures and laboratory work.

The course as arranged for 1913-1914 is as follows:

I. Physiology of Secretion, Digestion and Nutrition—1913. Dr. Howell, twice weekly from October to January. Second year class.

II. Laboratory Course in Experimental Physiology. Drs. Howell, Hooker, Snyder and Davis. Two mornings and two afternoons weekly during the first and the third trimesters. Half of the class takes this course in the third trimester of the first year, and the other half during the

first trimester of the second year. This laboratory course is arranged to occupy twelve hours a week for about twelve weeks.

III. Physiology of Muscle and Nerve, Central Nervous System, and Special Sense—1914. Dr. Howell and Dr. Snyder, three times weekly during the second trimester. First year class.

IV. Physiology of Blood, Circulation and Respiration—1914. Dr. Hooker. Recitations and Demonstrations. Twice weekly during the third trimester. First year class.

In addition to the foregoing exercises, students are given opportunities to participate in the more advanced courses, intended primarily as graduate work. These courses are as follows:

V. Journal Club. One hour weekly during the year. Those who participate in the work of this course are expected to report from time to time upon papers of physiological interest that may appear in current journals.

VI. Physiological Seminary. One hour weekly during the year. The object of the Seminary work is to study carefully, by means of lectures or readings, some special part of physiology, the topics chosen varying each year.

VII. Advanced Laboratory Course. This course is not limited as to time or amount of work except that assistance from the professor of physiology must be arranged for by definite engagements. The instruction is given individually and may involve undertaking a definite investigation.

Graduate Work

Physiology, *Elementary.* (Limited to four). Laboratory course in experimental physiology during either the first or third trimester.

The work will consist in exercises in the various graphic methods used in physiology to study the properties of muscle and nerve and the circulatory and the respiratory organs. Fee $25.00. Apply to Professor W. H. Howell.

PHYSIOLOGY, *Advanced.* (Limited to two). January to June 1. Professor W. H. Howell.

Individual instruction will be given in the methods used in physiological demonstrations and research. Especial attention will be paid to the methods employed in the study of the circulation. Fee $50.00.

PHYSIOLOGICAL CHEMISTRY

WALTER JONES, Ph. D., Professor of Physiological Chemistry.
ELI K. MARSHALL, JR., Ph. D., Associate in Physiological Chemistry.

Instruction in this branch is given by laboratory work, lectures, demonstrations, and conferences of a less formal character. The work in the laboratory is conducted in two sections which meet in the third trimester of the first year, and in the first trimester of the second year respectively. The exercises are conducted on Tuesdays and Thursdays, from 10 to 1 in the morning, and from 2 to 5 in the afternoon.

I. LABORATORY WORK. Professor Jones and Dr. Marshall.

(*a*) A short preliminary course on the chemistry of various substances, such as proteids, which are usually not familiar to the student of pure chemistry but which should be understood in order that he may intelligently execute the work that follows.

(*b*) A course of qualitative analysis in which some examination is made of nearly every tissue and fluid of the body. Blood, liver, milk (colostrum), muscle, gastric juice, adipose tissue, bone and bile receive special attention, and whenever material is available a study is made of pathological fluids and concretions. The order adopted in the consideration of the chemical topography of the body is such as to emphasize as far as possible, the chemical processes which are going on in the body.

(*c*) A study of those physiological chemical processes that can be closely imitated outside the body, as the action of enzymes, salivary, pancreatic, and gastric digestion.

(*d*) Class experiments. Demonstrations by the instructor in which the entire class usually takes part.

(*e*) Quantitative analysis. Determination of normal and pathological constituents of urine; analysis of milk, gastric juice, stomach-washing, air, water, and foods. An attempt is made here to familiarize the student with the chemical technique required for metabolism experiments.

(*f*) Examination of the fæces with special references to putrefactive processes.

II. Conferences. Professor Jones and Dr. Marshall. Informal conferences are held at which the laboratory work is discussed and the progress and needs of the students are considered. Here also the recent literature that bears directly on the work is reviewed.

III. Lectures. Professor Jones. A brief survey of the entire province of physiological chemistry. Emphasis is given to that part of the subject which for obvious reasons must be omitted from a laboratory course.

IV. Organic Chemistry. Dr. Marshall. An elective course consisting of two lectures a week during the first trimester. Thursday and Friday, 12 to 1 p. m. Two-fifths units.

Graduate Work

Physiological Chemistry, *Elementary.* March 15 to June 1, every afternoon. Professor Jones and Dr. Marshall.

A limited number of physicians or others who have had the requisite preliminary training in chemistry will be received for the laboratory course and lectures given to the medical students. Fee $25,00.

Physiological Chemistry, *Advanced.* Professor Jones and Dr. Marshall.

Those who have the necessary preliminary training and

who desire to do work of a special character will be received at any time during the academic year. Fee $50.00, for the entire year.

Pharmacology and Practical Therapeutics
Toxicology and Pharmacy

John J. Abel, M. D., Professor of Pharmacology.
Carl Voegtlin, Ph. D., Associate Professor of Pharmacology.
Leonard G. Rowntree, M. D., Associate Professor of Experimental Therapeutics.
Benjamin B. Turner, Ph. D., Assistant in Pharmacology.
Charles Caspari, Jr., Lecturer in Pharmacy.

I. Pharmacology. An elective course in this subject occupying one afternoon a week is offered in the second trimester of the second year. The physiological action of a selected list of drugs and poisons is made the subject of this course and the afternoon's work, performed by the student under the immediate supervision of the instructor, is preceded by brief statements of the significance and bearing of the experiment in hand. The aim of this course is to give a clear idea of the general principles and of the more important phenomena involved in the study of pharmacology.

During the second trimester a course of lectures with demonstrations and recitations covering the subject of pharmacology is given from 9 to 10 a. m. three days, and from 12 to 1, two days of the week. It is the purpose of this course to treat the subject in a manner adapted to the needs of the medical student. As this course requires much outside reading it will be estimated at one and two-fifth units.

II. Therapeutics. Dr. Leonard G. Rowntree. The course extends through the third and fourth years. It consists of practical demonstrations as far as possible.

In the third year the course consists largely of the study of methods. Practical therapeutic measures, such as hydrotherapy, bleeding, etc., are demonstrated. The various groups

of medicines, for example diuretics, are taken up and their indications discussed. In the fourth year the work is a continuation of that in the third year. The general care of patients in the treatment of special diseases is considered. The diets of patients and the methods of preparing the simpler foods are described. As far as possible the work is practical and is given in connection with the course in general medicine, so that the study of treatment goes along with the regular clinical work.

III. Toxicology. An elective laboratory course in this subject is offered in the second trimester. The course occupies one afternoon a week during the trimester and deals with the subjects both from the chemical and medical points of view.

IV. Pharmacy. Pharmacy is treated by a special instructor, in a course of demonstrations and lectures, once weekly for three months. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopœial preparations are fully dealt with. The more important preparations are made before the class.

V. Practical Course in Pharmacy. An elective course designed especially for students in the third year. Monday, 4 p. m. First trimester. All typical pharmacopœial preparations are made and typical prescriptions are compounded by each student. One-half unit.

Graduate Work

Pharmacology and Experimental Therapeutics, *Advanced.* Professor J. J. Abel and Drs. Voegtlin and Rowntree.

Those who have had the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year.

Pathology and Bacteriology

William H. Welch, M. D., Professor of Pathology.
William W. Ford, M. D., Associate Professor of Hygiene and Bacteriology.
George H. Whipple, M. D., Associate Professor of Pathology.
Milton C. Winternitz, M. D., Associate in Pathology.
Lloyd P. Shippen, M. D., Instructor in Hygiene and Bacteriology.
David M. Davis, M. D.,
Benj. S. Kline, M. D.,
Holland N. Stevenson, M. D., } Assistants in Pathology.
Charles A. Laubach, Assistant in Hygiene and Bacteriology.
Harry C. Schmeisser, M. D., Fellow in Pathology.

General pathology, special pathological anatomy and histology, and bacteriology are taught by laboratory work, demonstrations, recitations and lectures. The courses in pathology come in the first and second trimesters of the second year; those in bacteriology in the third trimester of the first year. The laboratory work occupies three half-days a week.

I. The Conduct of Autopsies. Drs. Whipple, Winternitz and Staff. The autopsies are made in the Pathological building and are witnessed by the students of the second, third and fourth years. Students are permitted to assist at post-mortem examinations and are instructed in the methods of making such examinations and of recording the results in proper protocols.

II. Demonstrations in Gross Morbid Anatomy. Drs. Whipple, Winternitz and Staff, 12-1, twice a week in two divisions during the 1st and 3rd trimester, and three times a week in three divisions during the 2nd trimester. The gross morbid specimens, collected during the week, are demonstrated to students of the second year. In addition, fresh and museum specimens are exhibited in the course in pathological histology to illustrate the macroscopical appearances of the morbid conditions studied by the microscope.

III. Bacteriology. Professor Welch, Professor Ford and Dr. Shippen, third trimester (March 15 to June 1),

Monday, Wednesday and Friday mornings, first year class. This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining, and studying bacteria, the biological examination of air, water, and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered.

IV. Lectures on Infection and Immunity. Professor Welch, Wednesdays and Fridays, 4 to 5, third trimester, first year class. During the course in bacteriology lectures are given devoted mainly to the consideration of subjects pertaining to infection and immunity.

V. General Pathology, Pathological Anatomy and Pathological Histology. Professor Welch, Professor Whipple and Drs. Winternitz, Kline, Davis and Stevenson. Monday, Wednesday and Friday afternoons, 2 to 5, during the first and second trimesters, second year class. The subjects are covered, as far as practicable, by demonstrations, lectures and laboratory work. Pathological histology is taught as a part of pathological anatomy, the description and demonstration of gross lesions being followed by their microscopical examination.

VI. Recitations. Professor Welch, Mondays at 12, throughout the year. Weekly recitations cover the work done by the students of the first and of the second years in their laboratory exercises, in bacteriology and in pathology, as well as subjects treated in lectures and those reserved more especially for text-book study.

VII. Advanced Work and Special Research. Opportunity is afforded to those suitably trained to pursue advanced work and special research in pathological anatomy and histology, experimental pathology, and bacteriology. For these purposes the pathological laboratory is equipped with the necessary apparatus and material.

Experimental Pathology

George H. Whipple, M. D., Associate Professor of Pathology.
David M. Davis, M. D., Assistant in Pathology.

The deparment of experimental pathology has been established, on the basis of courses already given, for the purpose of giving instruction concerning the abnormal activities of organs which result from pathological lesions.

This work is largely experimental and obviously closely allied to experimental medicine and physiology. The course will consist of informal lectures, experiments, operations and demonstrations given during the second trimester on Thursdays, 9-12 a. m.

The main object of the course is to give students elementary training in the *methods of research*: not to give a fixed series of demonstrations dealing with any one organ or system. The exercises will be concerned chiefly with the problems which are interesting the workers at the Hunterian Laboratory so that the entire group may be familiar with all the problems under investigation. For this reason it is desired that the students taking this course may proceed with independent investigation of problems which are closely related to the work already in progress. Facilities for this work will be available during the entire year. Room is available for a limited number of advanced workers who may desire to investigate problems in experimental pathology.

Graduate Work

Pathology. A limited number of physicians will be received during the year in the courses in bacteriology and pathology. Fee for the entire year $50.00, fee for half year $25.00. Apply to Professor Welch.

Pathology, *Elementary*. Prof. Whipple, June 1 to July 15. (Limited to ten.) Three afternoons a week. Lecture and laboratory exercises in general pathological histology.

This course will not be given if less than five register.

Applications must be received before April 15. Fee $50.00.

Hygiene. Professor Ford. A limited number of graduates is admitted to the laboratory course in Hygiene. Fee $50.00.

Medicine

(Including Work in the Clinical Laboratories)

Lewellys F. Barker, M. D., Professor of Medicine.
William S. Thayer, M. D., Professor of Clinical Medicine.
Thomas B. Futcher, M. B., Associate Professor of Medicine.
Thomas R. Boggs, M. D., Associate Professor of Medicine.
Frank R. Smith, M. D., Associate in Medicine.
Louis P. Hamburger, M. D., Associate in Medicine.
Thomas R. Brown, M. D., Associate in Medicine.
Louis V. Hamman, M. D., Associate in Medicine.
William L. Moss, M. D., Associate in Medicine.
John A. Luetscher, M. D., Associate in Medicine.
Paul W. Clough, M. D., Associate in Medicine.
Clyde Graeme Guthrie, M. D., Associate in Medicine.
Jacob Hall Pleasants, M. D., Instructor in Medicine.
Joseph A. Chatard, M. D., Instructor in Medicine.
Henry Lee Smith, M. D., Instructor in Medicine.
Charles W. Larned, M. D., Instructor in Medicine.
Samuel Wolman, M. D., Instructor in Medicine.
Harry S. Greenbaum, M. D., Instructor in Medicine.
David I. Macht, M. D., Instructor in Medicine.
Charles R. Austrian, M. D., Instructor in Medicine.
Walter A. Baetjer, M. D., Instructor in Medicine.
Thomas P. Sprunt, M. D., Instructor in Medicine.
Arthur W. Sellards, M. D., Instructor in Medicine.
Eugene J. Leopold, M. D., Assistant in Medicine.
George S. Bond, M. D., Assistant in Medicine.
John T. Sample, M. D., Assistant in Medicine.
Martin F. Sloan, M. D., Assistant in Medicine.
Sydney R. Miller, M. D., Assistant in Medicine.
Helen W. Winternitz, M. D., Assistant in Medicine.
Alan M. Chesney, M. D., Assistant in Medicine.
Eveleth W. Bridgman, M. D., Assistant in Medicine.
Roy R. Snowden, M. D., Assistant in Medicine.

The teaching is in the dispensary, in the clinical laboratories, in the wards, and in the clinical amphitheatre. In

place of systematic didactic teaching, there has been introduced a plan of practical instruction, by which the student is brought directly in contact with the patients, and taught, from the outset, how to recognize, and treat, disease, as it occurs in nature, not in books.

A. Primarily for Students of the Third Trimester of the Second Year

1. Introduction to the Study of Clinical Medicine. Lecture course by Professor Barker. Wednesdays, at 9 a. m.

2. Elementary Physical Diagnosis. Professors Thayer Futcher, Boggs and Drs. Hamman and Brown, assisted by Drs. F. R. Smith, Hamburger, Pleasants, Chatard, Larned, H. L. Smith, Greenbaum, Macht and Miller, after March fifteenth, Mondays Tuesdays, Wednesdays and Thursdays, 10 a. m.

3. Medical Physiology. Dr. ..... Lectures and demonstrations on man and animals, introductory to the study of clinical medicine. Mondays, 2-5 p. m. Third trimester.

4. Applications of Biology to Internal Medicine. Dr. Clough. One lecture weekly.

5. Applications of Pharmacology to Internal Medicine. Dr. Rowntree. One lecture weekly.

6. Applications of Chemistry to Internal Medicine. Dr. Sellards. One lecture weekly.

B. Primarily for Students of the Third Year

7. General Physical Diagnosis. In sections, Mondays, Wednesdays, Thursdays and Saturdays from 10-12. The course is in charge of Associate Professor Futcher with the assistance of Associate Professor Boggs, Drs. F. R. Smith, Brown, Hamburger, Hamman, Pleasants, Leutscher, Chatard, H. L. Smith, Larned, Greenbaum, Wolman, Leopold, Macht, Sloan and Miller.

a. In the first half-year, practical and demonstrative exercises in history-taking, and in physical diagnosis of diseases of the chest, are held.

The class is divided into small groups. Each section has two exercises, of two hours each, a week.

On four days of the week, a quarter of the class, in rotation, spends two hours in the dispensary, getting practical instruction in history-taking.

b. From October to March 15.

ba. In addition to work described under *a.* each quarter of the class for one day a week has dispensary work from 10 to 12 m. Each patient coming to the dispensary is assigned to a student, who takes the history, makes the physical examination, and reports to one of the instructors, who reviews his work.

After March 15, the third-year students obtain practical instruction in physical diagnosis at the City Hospital at Bay View, under the direction of Associate Professor Boggs, Dr. W. L. Moss, and assistants.

bb. Practical demonstrative exercises in physical diagnosis of diseases of the abdomen. From February 1st each section has one exercise of two hours a week for a period of 8 to 10 weeks.

c. Weekly recitations on physical diagnosis, on Fridays, 9 to 10 a. m. Associate Professor Futcher.

8. Weekly Recitations on General Medicine. Tuesdays, 4.30 to 5.30, October to January 1; Wednesdays, 4.30 to 5.30 p. m., January 1 to June 1. The subjects are assigned and the recitations conducted by the Resident Physician, Dr. Clough, or by some other member of the staff.

9. General Symptomatology of Disease. Professor Barker, Professor Thayer and Associate Professor Futcher. At twelve o'clock on Monday, Wednesday and Thursday, the students of the third year meet for a general clinic in the medical amphitheatre. The students, in rotation, examine selected cases. The teaching consists in (*a*) thor-

ough consideration of the clinical features of the case; (*b*) brief discussion of the symptoms; (*c*) reports by each student upon the case which he examines and whose further progress he follows, either by personal visits outside, or, if the patient is admitted to the Hospital, by observation in the wards; (*d*) on the last class day of each month a clinical "round-up," when the student, whose turn it happens to be, reports on the work of the month; (*e*) short papers on definite themes given to the students and relating to subjects which come up in the course of the examination of patients.

10. Summer Work in Dispensary. After the completion of the second and third year the students have an opportunity to assist in the dispensary during the summer months. Dr. T. B. Futcher arranges the rotation of the groups, and with the other members of the department, gives instruction in the method of taking histories and making examinations.

11. Laboratory Diagnosis. Dr. Guthrie, assisted by Dr. W. A. Baetjer, conducts, throughout the session, during two afternoons of the week, a class in microscopical and chemical diagnosis. The course is a systematic one, in which the students are trained in the methods of examining blood, sputum, gastric contents, urine, fæces, etc. Considerable work is required outside the regular class hours. The required course extends from October to March 15.

One of the large rooms of the clinical laboratory is devoted exclusively to the third year students. Each student has his own place in the laboratory, with locker, microscope, reagents, etc.

12. Advanced Work in Laboratory Diagnosis. An elective course in the third trimester. Two afternoons a week for one-half trimester. Dr. Guthrie.

13. The Saturday Clinic. On Saturdays at noon, the third year students meet with those of the fourth year for Professor Barker's clinic in the medical amphitheatre of the Hospital. Cases of especial interest are shown and discussed.

14. Clinical Work at Bay View, third trimester. Drs. Boggs and Moss.

C. Primarily for Students of the Fourth Year

The students are divided into three equal groups, each group serving for one trimester, successively, in the medical, surgical, and elective divisions of the Hospital.

15. Ward Work. The members of each medical group serve for a trimester as clinical clerks in the medical wards of the Hospital, to which they have access from 8 a. m. to 5 p. m. A number of beds are assigned to each student, who makes the necessary examinations under the guidance and direction of the medical staff. The clinical clerks also accompany the professors in the ward visits, read the histories of new cases, are questioned as to the results of their examinations, and receive special instruction.

In addition to the ordinary routine work, each student is encouraged to make studies with some especial method and to make a report of his experiences with it.

16. Ward Classes. Forenoons, the ward visits are made by the professors and their assistants. The members of the class are taught the methods of examination, the progress of the cases is followed, and instruction is given in the methods of treatment.

17. The Saturday Clinic. At 12 o'clock, on Saturdays, the fourth year students attend a general medical clinic given by Professor Barker in the amphitheatre. The clinical clerks read the histories of the new cases brought before the class, and report on the progress of cases previously shown.

18. Laboratory Diagnosis. A large room of the clinical laboratory is devoted exclusively to the fourth year class. Here each student has a place with microscope, reagents, etc., throughout the session, and can engage in any special work.

19. Clinical and Pathological Conference. On

Wednesday at 12 noon, a clinical and pathological conference is held throughout the academic year by Professor Thayer and Associate Professor Whipple in the Pathological Laboratory. Abstracts of the histories of the fatal cases with the differential diagnosis made before the autopsy are read. The specimens from the autopsy are then demonstrated, after which there is a general discussion of the case.

20. Nature of Infection and Immunity. Lectures and demonstrations. Two hours per week. Second trimester. Dr. Moss.

21. Special Methods of Investigation of Infectious Diseases. (Physicians and students of third and fourth year.) Laboratory exercises, two afternoons per week. Second trimester. Dr. Clough.

22. Medical Bacteriology. Dr. Austrian and Bloomfield.

This elective course is open to a limited number of members of the Medical Section, each trimester. A lecture and demonstration will be given once a week, 2.00 to 3.00 p. m., Tuesday. At suitable times during the week opportunity will be given to a small number to do, under supervision, the bacteriology of the wards. In this way, practical work is afforded in blood cultures, agglutinative and other serum tests, cultures from throat, sputum, urine, stool, pleural and pericardial effusions, fluids from the peritoneal cavity and joints, and cerebro-spinal fluids.

23. Elementary Course in the Phipps Dispensary for Tuberculosis. Dr. Wolman. First trimester. Two days a week, 10-12. (Except Tuesday or Friday.) Elective course. Limited to four students.

24. Advanced Course in the Phipps Dispensary for Tuberculosis. Drs. Hamman, Wolman and Moss. Third trimester. Elective course. Limited to four students.

(a) Clinical portion Tuesdays and Fridays, 10-12 m.

(b) Laboratory portion two afternoons a week from 2-5 p. m.

(c) Seminary, one hour a week, Fridays from 4-5 p. m.

25. Extramural Course in the Study of Tuberculosis. Dr. Gordon Wilson.

26. Diseases of Stomach and Intestines. Elective course. Dr. Brown. Course to be arranged. Second and third trimesters.

27. Physical Diagnosis. Elective course. A study of the ordinary methods as compared with methods using instruments of precision. Drs. Bond and ..... Two hours per week. (Time to be announced.)

28. Diagnosis and Treatment of Some Minor Ailments. Elective course. Tuesday, 12-1, third trimester. Dr. Hamburger.

29. The Symptomatology and Treatment of Diseases of the Ductless Glands. Elective Course. Thursday, 12-1, second trimester. Associate Professor Futcher.

30. Studies of Ambulatory Patients. Elective course. Tuesday, 12-1, first trimester. Professor Barker.

31. Clinic in Pulmonary Diseases. Elective course. Monday, 12-1, third trimester. Dr. Hamman.

32. Diseases of Metabolism. Elective course. Dr. King.

The course will deal with the experimental side of the diseases commonly grouped under the head of metabolic disorders (diabetes, gout, diseases of the pancreas, adrenal, thyroid, etc.).

33. Advanced Work and Research. Students of the third and fourth years may, if fitted for it, and with the permission of Professor Barker or Professor Thayer, undertake advanced work and research in internal medicine (see below).

GRADUATE WORK

34. Medicine, *Elementary.* A limited number of physicians may be admitted to the regular exercises of the third or

fourth year classes, including ward rounds, clinics, and the work in the clinical laboratory. Fee $100.00 for the entire year; $50.00 for a half-year. Application should be made to Professor Barker.

Beginning June first, various courses are offered to graduates in medicine, as designated on page 106.

35. MEDICINE, *Advanced Work and Research.* Upon application to Professor Barker, physicians properly trained in fundamental methods will be given opportunities for clinical and experimental investigation. For this purpose the clinical material of the wards and dispensary, as well as the facilities of the clinical laboratories, is available, and investigations may be carried on in (1) the wards or dispensary (Dr. Clough, Resident Physician), (2) the general clinical laboratory (Dr. Guthrie in charge), (3) the biological division of the medical laboratory (Dr. ..... in charge), (4) the physiological division of the medical laboratory (Dr. ..... in charge), (5) the bio-chemical division of the medical laboratory (Dr. Sellards in charge), or (6) in the electrocardiographic station (Dr. Bond in charge). Opportunities are offered for special studies in clinical observation and in experimental pathology and therapy, especially in (*a*) the bacteriology and biology of the infectious processes, (*b*) the graphic registration of the phenomena of disease, and other applications of physiological methods to the solution of unsolved problems of etiology, diagnosis and therapy, and (*c*) the application of chemical methods to the elucidation of metabolic problems. The advice and assistance of Drs. Barker, Thayer, Futcher and Boggs are always available to those undertaking such work. Fee $50.00 for the year.

Surgery

William S. Halsted, M. D., Professor of Surgery.
John M. T. Finney, M. D., Professor of Clinical Surgery.
Joseph C. Bloodgood, M. D., Associate Professor of Surgery.
Hugh H. Young, M. D., Associate Professor of Genito-Urinary Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
George Walker, M. D., Associate in Surgery.
Richard H. Follis, M. D., Associate in Surgery.
Frederick H. Baetjer, M. D., Associate in Surgery, in Charge of Actinographic Department.
John T. Geraghty, M. D., Associate in Genito-Urinary Surgery.
Samuel J. Crowe, M. D., Associate in Surgery.
George J. Heuer, M. D., Instructor in Surgery.
N. E. B. Iglehart, M. D., Instructor in Surgery.
Omar B. Pancoast, M. D., Instructor in Surgery.
William A. Fisher, M. D., Instructor in Surgery.
J. Staige Davis, M. D., Instructor in Surgery.
Bertram M. Bernheim, M. D., Instructor in Surgery.
Harvey B. Stone, M. D., Instructor in Surgery.
Alfred P. Jones, M. D., Instructor in Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Roy D. McClure, M. D., Assistant in Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.
Albert Keidel, M. D., Assistant in Surgery.

The teaching is in the dispensary, in the wards and operating rooms of the Hospital, in the clinical laboratory and in the Hunterian Laboratory of Experimental Medicine.

A required introductory course is given in the third trimester of the second year.

The principal subjects of the third year are the general principles of surgery, surgical diagnosis, surgical pathology and operative surgery in the laboratory.

I. Clinics. A weekly clinic is given by Professor Halsted for students in the third and fourth years.

Two clinics weekly are given by Professor Finney for the third year class.

II. Minor Surgery. Professor Finney, with the assistance of Drs. Walker, Follis, Iglehart, Pancoast, Davis and Fisher. Twice weekly, in sections, in the dispensary.

III. Surgical Diagnosis and Pathology. Professor Bloodgood, Wednesday, 2-4.30, entire year, whole class. Friday, elective course, 2-4.30 p. m. See special announcement for elective courses, third and fourth years.

IV. Operative Surgery. Elective, once weekly from October to May. A four-hour exercise is given to successive sections in the Hunterian laboratory.

V. Recitations. Weekly recitations upon assigned subjects are held by Dr. Finney, Dr. Follis and Dr. Walker.

The work of the fourth year consists of:

I. Ward Work. The members of each of the three groups into which the class of the fourth year is divided, serve for a trimester in the surgical wards of the Hospital.

II. Ward Classes. The students make the morning and other visits to the wards with Professors Halsted, Finney, Young, Baer and the House surgeon, where they receive bedside instruction.

III. Clinics. A weekly clinic, by Professor Halsted, Friday, 12 m. to 1 p. m.

IV. Surgical Operating Room. To each group of fourth-year students the privileges of the private operating rooms are extended for one trimester.

V. Genito-Urinary Surgery. Professor Young. (For details, see page 93.)

VI. Recitation. Professor Bloodgood. Tuesday, 11 to 12 m. (entire group).

VII. Orthopedic Surgery. Professor Baer. (For details, see page 95.)

GRADUATE WORK

Surgical Pathology. Professor J. C. Bloodgood.

Graduates can enter the Laboratory of Surgical Pathology at any time for special instruction. The work is so arranged as to occupy the entire day or a portion of each day. The fee is $100.

Genito-Urinary Surgery. Dr. H. H. Young.

A limited number of graduates will be taken for special work in Genito-Urinary Surgery. The course will include clinical and laboratory work. The student is expected to remain for six months or more, and to give practically his entire time to the department. Research studies will be encouraged. Fee, $100.

X-Ray Diagnosis and Therapeutics. Dr. F. H. Baetjer. This course is given three times during the year, as follows: Course I, October 15 to December 15; Course II, January 15 to March 15; Course III, April 15 to June 15. (Limited to five in each course.)

Each course will consist of daily demonstrations from 11 a. m. to 12.30 p. m., and aims to give a practical knowledge of the construction and manipulation of the X-ray apparatus, and its use in diagnosis and treatment. Fee $50. Beginning June first, six weeks courses in general surgery and the various surgical specialties are offered to graduates in Medicine. See page 107.

Obstetrics

J. Whitridge Williams, M. D., Professor of Obstetrics.
Karl M. Wilson, M. D., Instructor in Obstetrics.
Henry A. Stephenson, M. D., Instructor in Obstetrics.
Solon A. Dodds, M. D., Assistant in Obstetrics.
Everett D. Plass, M. D., Assistant in Obstetrics. (Absent on leave.)
William L. Millea, M. D., Assistant in Obstetrics.

The instruction in Obstetrics is given in the third and fourth years. The third year work is obligatory and must be taken by all students, while that of the fourth year is elective.

THIRD YEAR

In this year five hours a week are devoted to the subject, and the time is divided as follows:

I. Recitations or Exercises with the Manikin. Thrice weekly throughout the year. In the former the general principles of obstetrics are considered, while in the latter, which are interspersed between the recitations, the technique of obstetrical examination and of the various operative procedures is taught.

II. Practical Instruction. This includes the examination of pregnant women, pelvimetry, etc., the delivery of patients, and the care of the woman and child after delivery.

III. Ward Classes to groups, twice weekly throughout the year.

IV. Elective courses in Obstetrical Pathology will be given by Drs. Williams, Wilson and Dodds on Friday afternoons from 2 to 4.30, during each of the first two trimesters. In these practical laboratory instruction is given in the anatomy and histology of the generative organs, as well as in the pathology of the various diseases of pregnancy, labor and the puerperal state.

FOURTH YEAR

During this year the work is arranged in trimesters and is elective. Classes are held on Tuesday, Thursday and Friday from 10 to 12 o'clock, and patients are delivered as they fall into labor. Each practical course will be limited to ten students, and the work will be divided as follows:

I. Delivery of patients in the ward and out-patient service and opportunity to witness all operations performed in the department.

II. Ward and nursery rounds.

III. Ante- and post-partum examination of patients.

IV. Obstetrical Seminary.

V. A course of practical instruction in contracted pelves.

VI. A practical and laboratory course on the metabolism of pregnancy and its abnormalities.

VII. A course in comparative placentation and elementary teratology.

VIII. Obstetrical pathology.

A credit of 1½ units will be allowed for the regular class work, and an additional unit to students delivering 10 or more patients in the out-door service.

GRADUATE WORK

A limited number of physicians may receive advanced instruction during the academic year. Those wishing to do so should apply to Professor Williams stating the character of the work they desire and their qualifications for undertaking it.

Gynecology

Howard A. Kelly, M. D., Professor of Gynecology.
William W. Russell, M. D., Associate Professor of Gynecology.
Thomas S. Cullen, M. B., Associate Professor of Gynecology.
Guy L. Hunner, M. D., Associate in Gynecology.
Elizabeth Hurdon, M. D., Associate in Gynecology.
Curtis F. Burnam, M. D., Associate in Gynecology.
Edward H. Richardson, M. D., Associate in Gynecology.
Leon H. Watkins, M. D., Instructor in Gynecology.

Gynecological instruction is given to third and fourth year students and also to graduates. The courses of the third year are obligatory, those of the fourth year elective.

Third Year

I. Gynecological diagnosis. Each section once a week for four months. Practical instruction in the technique and interpretation of pelvic examinations; demonstrations of selected operations. Drs: Russell and Richardson.

II. A lecture, pathological demonstration or recitation

once a week throughout the year. Drs. Russell, Cullen, Hunner, Hurdon and Richardson.

Fourth Year

I. Ward rounds twice a week; bed-side instruction and demonstrations. Dr. Cullen.

II. Out-patient clinics. A limited number of students are allowed to assist in the work of the dispensary daily, 2 to 4 p. m. Dr. Richardson and Resident Staff.

III. Practical Cystoscopy. Demonstrations, covering the entire subject of diseases of the urinary tract in women, to a limited number of students three days a week from 2.30 to 4.30 p. m. Drs. Hunner, Burnam and Resident Gynecologist.

IV. Advanced Course. Offered to each section for one trimester. This includes ward rounds, pelvic examinations under anesthesia, demonstrations of operating room technique and of major operations, lectures and recitations. Drs. Kelly and Cullen.

V. Lectures in gynecological physiology and pathological physiology. Dr. Burnam.

VI. Gynecological pathology. This course embraces a thorough gross and microscopic study of all diseases of the pelvic structures. Special attention is given to the examination of scrapings. Drs. Cullen and Hurdon.

Graduate Work

Beginning June first, various courses in Gynecology are offered to graduates in medicine and are described in detail on page 109.

Special Courses

Gynecological pathology, *Elementary* (Limited to five students). Drs. Cullen and Hurdon.

This course begins October 1 and extends through one trimester. The class meets Tuesday afternoons, 2 to 4.30. Applications should be sent to the Registrar not later than September 15. Fee, $50.00.

During March and April on Tuesdays, 2 to 4.30 p. m., Drs. Cullen and Hurdon conduct a course (limited to ten) in the diagnosis of uterine scrapings. Fee, $50.00. All pathological conditions of the cervix and body of the uterus that might be mistaken for cancer are discussed, and special consideration is given to the early diagnosis of cancer of the uterus. The methods of obtaining and examining pieces of uterine tissue are given in detail. Fee $50.00.

Psychiatry

Adolf Meyer, M. D., LL. D., Professor of Psychiatry.
Henry J. Berkley, M. D., Clinical Professor of Psychiatry.
Charles Macfie Campbell, M. D., B. Sc., M. A., Associate in Psychiatry.
W. Rush Dunton, Jr., M. D., Instructor in Psychiatry.
Edmund B. Huey, Ph. D., Assistant in Psychopathology.
David K. Henderson, M. D., Assistant in Psychiatry.
Sydney R. Miller, M. D., Assistant in Clinical Medicine.

The Psychiatric Department offers the following courses:

1. Introduction to biological and medical psychology, third trimester of the second year (Thursdays, 2-4 p. m.). An extension of physiology and general pathology into the study of mental activities.

2. Introduction to psychopathology, second trimester, third year. An extension of the course of general pathology and neurology into the study of abnormal mental mechanisms, the aphasia and apraxia groups, effects of poisons and disorders of internal secretion, and the substitutive reactions in hysteria, psychasthenia, etc. (Tuesday, from 2-3 p. m.)

3. Introduction to practical psychiatry (psychiatric nosology and methods of work): An obligatory course of clinical

demonstrations and of lectures during the first trimester of the fourth year, Wednesdays, 12-1, and Saturdays, 3-4.30.

4. Weekly clinics and discussions throughout the year, Thursdays, 12-1. (Optional.)

Elective Work for Fourth Year Students

1. Elective clinics will be given by Dr. Henry J. Berkley to a class limited to twelve at the Bay View Asylum, on Tuesdays from 3-30 to 5 during the first trimester of the 4th year; and by Dr. Dunton at the Sheppard and Enoch Pratt Hospital on Saturdays, 3-30 to 5-30, during the 2nd trimester.

2. Dispensary work, Monday, Tuesday, Friday, 10-12, with Dr. Charles Macfie Campbell.

Each student will have the opportunity of personally examining and treating under supervision cases of incipient mental disorder. At the end of the hour there will be the presentation of one or two of the most instructive cases, or a review of the day's material so that each student will profit by the whole of the clinical material available.

3. Work on ward cases, partly in connection with the Thursday clinics.

In the 2nd trimester Dr. Campbell will give an elective course on special methods of investigation and treatment in hysteria and the psychoneuroses.

Special laboratory work in general clinical laboratory methods, neuropathology and psychology (elective for second, third or fourth year).

GRADUATE WORK

Postgraduate work is limited to physicians who will spend at least one trimester in work in the clinic and its laboratories. A special postgraduate course will be planned as a part of the regular summer course of the Medical School.

Diseases of Children

John Howland, M. D., Professor of Pediatrics.
J. H. M. Knox, Ph. D., M. D., Associate in Pediatrics.
Edwards A. Park, M. D., Associate in Pediatrics.
Richard A. Urquhart, M. D., Instructor in Pediatrics.
Kenneth D. Blackfan, M. D., Instructor in Pediatrics.

Second Year

During the last trimester of this year one hour a week is devoted to recitations, demonstrations and lectures upon the growth and development of infants and children and upon the subject of nutrition, normal and abnormal and the influence of the food stuffs, in so far as pediatrics is concerned. The class is divided into sections.

Fourth Year

I. A weekly clinic or lecture on Tuesday from 12 to 1 throughout the year. This is given by Dr. Knox in the first trimester and by Professor Howland in the second and third trimesters.

II. Section teaching is given to each section twice a week from 11 to 1 for one trimester. This consists in the examination by students of patients in the wards and in the dispensary, in the presentation of cases by the students and in the discussion of symptoms, diagnosis and treatment. Special attention is paid to the diseases peculiar to infancy and childhood and to the differences in the manifestation of disease in children as contrasted with adults.

III. An elective major course is given each trimester to not more than four students. Those electing this course serve as clinical clerks in the wards and dispensary, as well as attend the other exercises.

GRADUATE WORK

For details, see page 109.

Ophthalmology

Samuel Theobald, M. D., Clinical Professor of Ophthalmology.
Robert L. Randolph, M. D., Associate Professor of Ophthalmology and Otology.
James J. Mills, M. D., Instructor in Ophthalmology.
Hedley V. Tweedie, M. D., Assistant in Ophthalmology.

I. Daily clinics are given in the dispensary by Professors Theobald and Randolph. Each of the sub-sections into which the fourth year class is divided attends these clinics for a half trimester. By this arrangement an opportunity is afforded each student to acquire a practical knowledge of eye diseases.

II. The major course in Ophthalmology comprises, besides greater clinical advantages—including the privilege of attendance upon the clinics of Professor Theobald at the Baltimore Eye, Ear and Throat Charity Hospital—instruction in operative surgery of the eye, and in the determination of errors of refraction, the optometric use of the ophthalmoscope, skiascopy.

III. Weekly lecture, Thursday, 3.30 to 4.30 p. m., throughout the year. Professor Theobald.

IV. During the third year a preparatory course in ophthalmoscopy is given by Dr. Mills.

GRADUATE WORK

Clinical Ophthalmology, including Ophthalmoscopy. A practical course in the diagnosis and treatment of the commoner diseases of the eye, with instruction in the use of the ophthalmoscope, the examination of the anterior structures of the eye by oblique illumination, etc. Dr. Mills, June 1 to July 1, Monday, Wednesday and Friday, 3 to 4 p. m. (Limited to ten.) Fee $25.00.

This course is intended for general practitioners.

Dermatology

T. Caspar Gilchrist, M. D., Clinical Professor of Dermatology.
J. Williams Lord, M. D., Clinical Professor of Dermatology.
Edgar R. Strobel, M. D., Instructor in Dermatology.
Isaac R. Pels, M. D., Assistant in Dermatology.

The instruction in this department consists in the following elective courses offered to students in the fourth year:

Minor Course

I. Daily work in the dispensary, 2 to 3.30 p. m., for one-half trimester or on alternate days during one whole trimester.

II. Weekly clinical lectures on Tuesdays at 3.30 to 4.30 p. m.

Major Course

I. Daily work in the dispensary from 2 to 4.30 p. m. through one trimester.

II. Weekly clinical lectures on Tuesdays, 3.30 to 4.30 p. m. throughout the year.

III. A course in the pathology and bacteriology of the common cutaneous diseases.

IV. Opportunity to do research work.

GRADUATE WORK

An opportunity is given to obtain practical instruction in dermatology during the academic session.

I. Practical work in the dispensary, daily, 2 to 4 p. m., for one or more trimesters.

II. A course in the pathology and bacteriology of the common cutaneous diseases.

Diseases of the Nervous System

Henry M. Thomas, M. D., Clinical Professor of Neurology.
Edward M. Singewald, M. D., Instructor in Neurology.
G. Lane Taneyhill, Jr., M. D., Instructor in Neurology.
Charles M. Byrnes, M. D., Instructor in Neurology.

The course is given during the third year and the work consists of the following required courses:

I. Practical work in the dispensary. The class is divided into four sections and each section works in the neurological dispensary from 10 to 12 for one morning of each week throughout the year.

II. Recitation or clinic. Tuesday, 11 a. m. to 12 m.

III. Recitation or clinic. Wednesday, 9 a. m. to 10 a. m. after April 1.

The following elective courses are offered during the fourth year:

I. Nervous dispensary. Daily, 10 to 11 a. m., repeated each trimester.

II. Nervous diseases, Tuesday and Thursday, 12 m. to 1 p. m., repeated each trimester.

Genito-Urinary Surgery

Hugh H. Young, M. D., Associate Professor of Genito-Urinary Surgery.
John T. Geraghty, M. D., Associate in Genito-Urinary Surgery.
Albert Keidel, M. D., Assistant in Surgery.

During the fourth year Professor Young and Dr. Geraghty conduct the following elective courses:

Minor Course

I. Practical work in the dispensary, daily from 10 a. m.

to 12 m., for one-half trimester or alternate days for one whole trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., for one trimester.

Major Course

I. Practical work in the dispensary, daily from 10 a. m. to 12 m., for one trimester.

II. Weekly lecture or clinic, Monday, 12 m. to 1 p. m., throughout the year.

III. Pathology of the genito-urinary tract, twice weekly, 9 to 10 a. m.

For graduate courses see under department of Surgery.

Laryngology, Rhinology and Otology

Samuel J. Crowe, M. D., Associate in Surgery in Charge of Laryngological, Rhinological and Otological Clinics.

Franklin Hazlehurst, M. D., Assistant in Laryngology and Rhinology.

Harry R. Slack, M. D., Assistant in Surgery.

The following elective courses are offered during the fourth year:

Minor Course

I. Practical work in the dispensary, daily from 2 to 3.30 p. m., for one-half trimester or alternate days for one trimester.

II. Daily clinic and lecture in the dispensary, 2.30 to 3.30 p. m. Dr. Crowe or Dr. Slack.

III. Weekly lecture or clinic, Dr. Crowe, Wednesday, 3.30 to 4.30 p. m.

Major Course

I. Practical work in the dispensary, daily from 2 to 4.30 p. m., for one trimester.

II. Weekly lectures, Monday and Wednesday, 3.30 to 4.30 p. m., throughout the year.

III. On request, students will be allowed to assist in operations in the general operating room.

During the third year an obligatory course in laryngoscopy is given on Saturday from 2 to 4 p. m., throughout the third trimester, as a preparation for the work of the fourth year in the laryngological clinics and wards.

An elective course in bronchoscopy and oesophagoscopy is offered to fourth year students during the third trimester, Tuesday, from 3 to 5 p. m., in the Hunterian Laboratory. Dr. Crowe. (Limited to ten in a group).

Throughout the fourth year the students in the medical group will have the opportunity to make the routine examinations of nose, throat, larynx and sinuses on patients in the public wards.

Orthopedic Surgery

William S. Halsted, M. D., Professor of Surgery.
William S. Baer, M. D., Associate Professor of Orthopedic Surgery.
Roades Fayerweather, M. D., Assistant in Orthopedic Surgery.
Howard E. Ashbury, M. D., Assistant in Orthopedic Surgery.

Instruction in Orthopedic Surgery is given throughout the fourth year by Dr. Baer, assisted by Drs. Fayerweather and Ashbury.

Obligatory Work:

I. Ward rounds, once weekly throughout the year, for the surgical section.

II. Clinical instruction for sub-sections of the surgical group Monday, Wednesday and Saturday, from 10 a. m. to 12 m.

III. Operative clinic, Wednesday, 10-12.

Elective Courses

I. A clinical lecture or recitation is given throughout the entire year, on Thursdays, from 12 m. to 1 p. m.

II. Dispensary clinic is held on Mondays, Wednesdays and Saturdays from 10 a. m. to 12 m.

III. Lateral Curvature Course is given on Tuesday mornings and Saturday afternoons, equal to six hours.

For courses for graduates see under department of Surgery.

Hygiene

William W. Ford, M. D., D. P. H., Associate Professor of Hygiene and Bacteriology.
Lloyd P. Shippen, M. D., Instructor in Hygiene and Bacteriology.
Charles A. Laubach, M. D., Assistant in Hygiene and Bacteriology.

The instruction consists of:

1. Didactic lectures given to the students of the third year during the third trimester. These lectures are designed to cover the principal facts in the epidemiology of the infectious diseases, and the measures which may be adopted to prevent their spread.

The water-borne diseases, such as Asiatic cholera and typhoid fever, the insect-borne diseases, such as malaria, yellow fever, and typhus fever, the social diseases, such as tuberculosis and syphilis, and the exanthemata of childhood are considered in detail.

Special lectures are also devoted to vital statistics, climate, soil, ventilation, sewerage disposal, water supplies, sand filtration, and milk control.

2. Practical Hygiene.

A laboratory course in the chemical and bacteriological analysis of water, milk, sewage, and disinfectants with instruction in the use of instruments of precision is given during the first or second trimester to any students who have completed their work in bacteriology. Weekly inspections are made of Public Health Institutions in Baltimore and Washington—such as the Baltimore Sewage Disposal Plant; The Washington Filtration Plant; The Walker-Gordon Dairy

Farm; the Hygienic Laboratory of the Public Health and Marine Hospital Service; and the Laboratories of the Maryland and Baltimore Departments of Health.

3. Special Investigation. A limited number of students are taken into the laboratory for advanced work in Hygiene and Bacteriology. These individuals are given special problems to work out independently or in connection with the instructors in the department. Special facilities will offered medical graduates who desire to train themselves in work in Public Health.

Medical Zoölogy

Charles Wardell Stiles, Ph. D., D. Sc., Lecturer on Medical Zoölogy and Professor of Zoölogy to the U. S. Public Health and Marine Hospital Service.

Instruction in Medical Zoölogy is given to students of the third and fourth years by Dr. Stiles. It consists of a course of twenty lectures on the medical relations of animals to man (animal parasites, animals as transmitters of disease, poisonous snakes, etc.); ten lectures are given each year, illustrated with numerous charts, lantern slides, and specimens, and supplemented by practical laboratory exercises in studying both live and preserved parasites, examining meat for trichinosis and in the diagnosis of various zoöparasitic diseases by microscopic examinaton of fæces. The parasites are studied from the standpoints of zoölogy, practical medicine, and public health.

Legal Medicine

William W. Ford, M. D., Lecturer in Legal Medicine.

The instruction in this department is given in the third year. The lectures are intended to instruct the students not only in the actual facts of applied medicine which con-

stitutes the basis of the work of the medico-legal practitioner, but also in the duties of the medical expert witness and his relations to his client and to the court.

The lectures deal with sexual transgressions, abortion, infanticide, etc., with the circumstances attendant upon violent death in its various forms and with injuries of all sorts, mechanical and chemical, and with the medico-legal relations of insanity.

Especial attention is directed to the methods of investigation and the protocol writing in such cases, and to the technical means by which suspected marks, stains and traces of all sorts may be recognized. Instruction as to the character of medical evidence which is useful and admissible in court and as to its presentation, is emphasized.

History and Literature of Medicine

The Historical Club meets once a month throughout the academic year in the medical amphitheatre of the Hospital. Old and rare or otherwise historically interesting books are exhibited and the history of medical doctrines, of epochs in medicine and of the lives and contributions to knowledge of eminent men, and other themes pertaining to the history of medicine are considered. Many students avail themselves of the stimulating and educational advantages afforded by the meetings of this Club.

Special Lectures

From time to time, as opportunity offers, short courses of special lectures or demonstrations upon selected topics are given either by specially appointed lecturers or by members of the teaching staff.

Instruction in Art as Applied to Medicine

Max Broedel, Associate Professor of Art as applied to Medicine.

A. Courses for Medical Students.

1). A course of lectures to first year class during the first trimester. This course is intended to give general instruction in the elementary principles of drawing and sketching as an aid to the study of medicine.

2). A short course in anatomical studies on the living to be given during the first trimester. The purpose of this course is to supplement the study of the cadaver in the dissecting room.

3). A course in actual drawing open to students of all years, to research workers and to members of the faculty for one afternoon a week throughout the year. This course will be limited to 12 students. The work will first deal with the exact study of the plastic representation of medical objects of all kinds. Later on this will lead to the study of diagrammatic drawings and sketches useful in taking medical histories or illustrating lectures with blackboard sketches. Lastly a suitable technique for making medical illustrations for publications will be taught.

4). Research workers who require pictorial representations of their research, will be taught the principles of making such drawings.

B. Courses for Artists and Art Students

1). Special instruction to medical illustrators who desire to take up advanced work in a particular branch. The fee will depend on the length of the course and the character of the instruction. Minimum fee $25.00. Such courses may be taken at any time during the academic year.

2). A regular course for beginners. This course will continue during the entire day throughout the academic year. Applicants who are not graduates of an art school must submit samples of their work. The duration of the course of instruction will of necessity depend on the talent of the individual, the average term, however, not exceeding two years. The fee is $100.00 a year. Drawings of especial merit may be accepted and utilized by the Department for publication and as a practical test of the artist's ability. Although such drawings become the property of the school, the student will receive several printed proofs after publication. All drawings and sketches not so honored will remain the property of the student.

The course will include:

a). Anatomical studies of the skeleton, muscles and viscera from the standpoint of the medical illustrator. Everything studied is sketched or drawn.

b). Studies of fresh material at autopsies, combined with microscopic studies of the various tissues in health and disease. A number of accessory methods will be employed in studying fresh tissues.

c). Studies of hardened specimens from the various pathological collections, combined with the study of the texture of the individual structures of the body.

d). Based on the foregoing the student is ready to study the pictorial representation of physical examinations, various kinds of treatment and the different steps in surgical operations.

e). Stress will be laid on the correct attitude of the medical illustrator toward problems in medical research and toward the conception of a medical illustration in general as an aid to the text and also as a work of art.

f). Parallel with and supplementing these studies, instruction will be given in the various techniques suitable for medical illustrations intended for publication. Namely:

1). Half-tone drawings in crayon, etc,—Mixed technique.

2). Water color painting.

3). Line drawings in pen and ink. Diagrams.

4). Charts for class demonstrations.

g). Studies of the various methods of reproduction from the standpoint of the illustrator.

SUMMER COURSES FOR GRADUATES IN MEDICINE

SUMMER COURSES FOR GRADUATES IN MEDICINE

In co-operation with the Johns Hopkins Hospital, the following courses were offered to graduates in Medicine, during the six weeks beginning Monday, June 2nd, 1913.

Similar courses will be offered each summer, and will be described in a special circular which will be issued early in March.

ANNOUNCEMENT FOR 1913.

The clinical courses are limited to graduates in medicine, but the courses in Physiology, Physiological Chemistry, Pharmacology and Therapeutics, and Bacteriology are also open to undergraduate medical students.

Physiology

Dr. C. D. Snyder, Associate Professor of Physiology. This course is intended to give the student an opportunity to become acquainted with some of the chief methods employed in teaching and in research.

Especial attention will be given to the mechanisms of circulation and respiration that can be demonstrated upon mammals, and to methods of recording and accurately measuring such phenomena as venous pulse and venous and arterial pressures in man. Monday, Wednesday and Friday, 8 a. m. to 12 m.

Physiological Chemistry

Dr. E. K. Marshall, Jr., Assistant in Physiological Chemistry. This course will consist of lectures covering the chemistry of the proteins, sugars, fats, blood, muscle, urine, ferments, etc., and of laboratory exercises in which the various tissues

and fluids of the body will be studied. Tuesday, Thursday and Saturday, 2 to 5 p. m.

Pharmacology and Therapeutics

Dr. L. G. Rowntree, Associate in Experimental Therapeutics. This course will consist of bedside instruction in therapeutics, and of laboratory demonstrations of the action of certain drugs, together with lectures on specific chemotherapy. Monday, Wednesday and Friday, 2 to 5 p. m.

Bacteriology

Dr. L. P. Shippen, Instructor in Hygiene and Bacteriology. This course will consist of practical laboratory exercises covering the preparation of culture media, the principles of sterilization and the methods of isolating, cultivating, and studying bacteria. Tuesday, Thursday and Saturday, 10 a. m. to 1 p. m.

Medicine

The following courses will be given:

I. *Practical Medicine*—Dr. L. V. Hamman, and Dr. F. J. Sladen, Associates in Medicine. A course in practical medicine consisting of ward rounds. Daily, 9 to 11 a. m.

II. *Clinical Microscopy*—Dr. C. G. Guthrie, Instructor in Charge of the Clinical Laboratory. The course consists of lectures and laboratory work, the material from the wards being utilized. Monday, Wednesday and Friday, 2 to 4.30 p. m.

III. *Serum Diagnosis*—Dr. P. W. Clough, Instructor in Charge of the Biological Laboratory of the Medical Clinic, and Dr. C. R. Austrian, Assistant in Charge of the Laboratory of the Phipps Dispensary. The course consists of lectures and laboratory instruction covering the Wassermann reaction, Widal reaction, etc. Tuesday, Thursday and Saturday, 2 to 4.30 p. m.

IV. *Diseases of the Circulation*—Dr. A. D. Hirschfelder, Associate in Charge of the Physiological Laboratory of the Medical Clinic, and Dr. G. S. Bond, Assistant in Medicine. The course covers the diagnosis and treatment of cardiac diseases, together with a study of blood-pressure, venous pulse, electrocardiograms, etc. Tuesday, Thursday and Saturday, 2 to 4 p. m.

V. *Percussion and Auscultation*—Dr. L. P. Hamburger, Associate in Medicine, and Dr. S. Wolman, Instructor in Medicine. Tuesday, Thursday and Saturday, 11 a. m. to 1 p. m.

VI. *Diseases of the Digestive Apparatus*—Dr. T. R. Brown, Associate in Medicine. A course in the diseases of the digestive apparatus, with practical exercises in the use of the various diagnostic methods including sigmoidoscopy and fluoroscopy. Monday, Wednesday and Friday, 11 a. m. to 12 m.

Surgery

The following courses will be given:

I. *Surgical Diagnosis*—Dr. J. M. T. Finney, Professor of Clinical Surgery, assisted by Dr. J. C. Bloodgood, Associate Professor of Surgery, Dr. R. H. Follis, Associate in Surgery, and Dr. G. J. Heuer, Instructor in Surgery. This course will consist of daily ward rounds and operative clinics. Rounds: 9 a. m. to 10 a. m., and operations, 10 a. m. to 12 m.

II. *Surgical Pathology*—Dr. W. E. Dandy, Assistant Resident Surgeon. This course will consist of the gross and microscopic study of specimens from the surgical operating room. Tuesday, Thursday and Saturday, 2 to 5 p. m.

III. *Operative Surgery on Animals*—Dr. George Walker, Associate in Surgery, assisted by Dr. W. A. Fisher, Instructor in Surgery, and Dr. R. D. McClure, Assistant in Surgery. In this course a limited number of students will perform a series of operations in abdominal, renal and blood-vessel sur-

gery, under the immediate supervision of the instructors. Monday, Wednesday and Friday, 2 to 5 p. m.

IV. *Genito-Urinary Surgery*—Dr. J. T. Geraghty, Associate in Genito-Urinary Surgery, and Dr. A. Keidel, Assistant Surgeon. (a) Clinical instruction in history-taking, routine genito-urinary examinations, urinary analysis, methods of microscopic examinations of secretions from the urethra, venereal sores (treponema pallida), prostate, etc., instrumental examination (including urethroscopy, but not cystocopy), and methods of treatment. Daily, 10 a. m. to 12 m. (b) A course in cystoscopy and the diagnosis of renal conditions will be offered by Dr. Geraghty to a limited number of students, who have had previous training in urology. This will consist of instruction in the methods and technique cf cystoscopy, ureteral catheterization, and renal functional and differential diagnosis. Tuesday, Thursday and Saturday, 12 to 1.30 p. m.

V. *Orthopedic Surgery*—Dr. R. Fayerweather, Assistant in Orthopedic Surgery. Instruction in the methods of diagnosis and treatment, with particular attention to bone and joint tuberculosis and the various non-tuberculous joint affections. Monday, Wednesday and Saturday, 10 to 12 m. Instruction in the treatment of scoliosis will be given. Rounds will be made in the public wards. Thursdays, 10 to 12 m.

VI. *Plastic Surgery*—Dr. J. S. Davis, Instructor in Surgery. In this course particular attention will be paid to wound healing, skin grafting, etc. Ward, dispensary and operative demonstrations will be given. Monday, Wednesday and Friday, 10 to 12 m.

VII. *Rectal Surgery*—Dr. H. B. Stone, Instructor in Surgery. This course will include digital and proctoscopic examinations, together with operations under general or local anesthesia. Tuesday, Thursday and Saturday, 10 to 12 m.

VIII. *Radiography*—Dr. F. H. Baetjer, Associate in Actinography, assisted by Dr. C. A. Waters. Practical instruc-

tion in the X-Ray laboratory. Daily, 10 to 12 m. Lecture on Saturday at noon.

IX. *Anesthesia*—Dr. J. P. Pratt, Assistant Resident Surgeon. Practical instruction in the administration of anesthetics in the operating room. Tuesday, Thursday and Saturday, 10 to 12 m.

Gynecology

The following courses will be given:

I. *Operative clinics.* Week-days, except Fridays. Drs. Hunner, Burnam, Richardson and the Resident Gynecologist.

II. *Ward rounds.* Twice weekly, 9 to 10 a. m. Bed-side instruction in differential diagnosis, preparation for operation, post-operative treatment, post-operative complications, etc. Dr. Richardson and Resident Gynecologist.

III. *Out-patient clinics.* Two members of the group daily 2 to 4 p. m. History-taking, abdominal and pelvic examinations without anesthesia, office treatments, medical gynecology. Dr. Richardson and the Resident Staff.

IV. *Gynecological pathology.* Gross and microscopic demonstrations. Special course on examination of curettings. Dr. Hurdon.

V. *Cystoscopy.* Practical demonstrations covering the entire subject of diseases of the urinary tract in women. Tuesday, Thursday and Saturday afternoons, 2 to 4. Drs. Hunner and Burnam.

Pediatrics

Dr. John Howland, Professor of Pediatrics, and Dr. E. A. Park, Instructor in Pediatrics. The course will consist of clinics and demonstrations of patients illustrating the more common diseases of infancy and childhood, especial emphasis being laid upon the methods of treatment of the nutritional diseases of infancy. Monday, Wednesday and Friday, 11 a. m. to 1 p. m.

Fees

A full day's work for the entire period in as many courses as can be taken without conflict in hours—$100. If Animal Surgery is taken, an additional charge of $25.00 will be made.

The fee for any one of the following courses is $25.00: Physiology, Physiological Chemistry, Therapeutics, Bacteriology, Clinical Microscopy, Serum Diagnosis, Diseases of Circulation, Digestive Diseases, Percussion and Auscultation, Orthopedic Surgery, Plastic Surgery, Rectal Surgery, Anesthesia, Gynecological Pathology, Gynecological Cystoscopy, Gynecological Dispensary, Pediatrics.

The fee for any one of the following courses is $50.00: Medical ward rounds, Radiography, Gynecological Operative Course with Ward Rounds, Surgical Operations, Surgical Diagnosis with Ward Rounds, Genito-Urinary Surgery (a), Genito-Urinary Surgery (b).

For Animal Surgery alone, the fee is $75.00.

Physicians desiring to take any of these courses must register at the Dean's Office, where they will receive the necessary credentials.

Courses cannot be changed after registration, except upon the payment of an additional fee.

In view of the fact that only a limited number can be admitted to some of the courses, it is advisable that applications be made in advance. Address the Dean of the Johns Hopkins Medical School, Baltimore.

SCHEDULES OF COURSES FOR THE SESSION OF 1913-1914

No alterations in the schedules are permitted unless authorized by the Medical Faculty.

SCHEDULE FOR THE

	Monday.	Tuesday.
First Trimester. (Oct. 7 to Dec. 23, incl.)	9-12. Anatomy I. 12-1 † Anatomy VII.	9-12. Anatomy I. 12-1.† Anatomy VI.
	2-5. Histology.	2-5.† Drawing as Applied to Medicine. 2-3.† Anatomical Studies on the Living (Lecture).
Second Trimester. (Jan. 5 to Mar. 13, incl.)	9-1. Anatomy II.	9-12. Anatomy II. 12-1.† Anatomy VI.
	2-5. Histology and Organology.	2-3. Histology and Organology (Lecture). 2-5.† Drawing as Applied to Medicine.
Third Trimester. (Mar. 16 to May 29, incl.)	9-12. Bacteriology Laboratory. 12-1. Bacteriology Recitation.	9-10. Physiology (Lecture). 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.
	2-3. Physiol. Chem. Lecture. (A and B.)	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.

Explanatory Note.—Elective courses are indicated by a dagger (†), all other courses are required.

To enter upon the clinical work in the third trimester of the second year, the student must have satisfactorily completed the required work in the first year and in the first two trimesters of the second year.

FIRST YEAR, 1913-1914

Wednesday.	Thursday.	Friday.
9-12. Anatomy I. 12-1.† 	9-12. Anatomy I. 12-1.† Organic Chemistry (Lecture).	9-12. Anatomy I. 12-1.† Organic Chemistry (Lecture).
2-5. Histology.	2-3. Histology. (Lecture). 3-5.†	2-5. Histology.
9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).
2-5. Histology and Organology.	2-3.† History of Anatomy. 2-5.†	2-3.† Medical Anatomy. 2-5.†
9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B).	9-10. Physiology (Lecture). 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	9-12. Bacteriology. 12-1. Physiol Chem. (Lecture). (A and B)
4-5. Bacteriology (Lecture).	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	4-5. Bacteriology (Lecture).

† Elective or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Physiology in Relation to Medicine, Physiological Chemistry, Pharmacology, Toxicology, Experimental Pathology and Hygiene.

SCHEDULE FOR THE

	MONDAY.	TUESDAY.
FIRST TRIMESTER. (Oct. 7 to Dec. 23, incl.)	9-10.† Study Room (Anatomy). 10-11. Pharmacology (Lecture). 11-12. Autopsies.* 12-1. Pathology (Recitation).	9-10. Physiology (Lecture). 10-1. Physiology (B). Physiological Chemistry (A).
	2-5. Pathology.	2-5. Physiology (B). Physiological Chemistry (A).
SECOND TRIMESTER. (Jan. 5 to Mar. 13, incl.)	9-12.† Study Room (Anatomy). Topographical Anat. Anat. of the Infant. 10-12. Autopsy Demonstration. Group I. 12-1. Pathology (Recitation).	9-12.† Autopsies. Hygiene. Study Room (Anat.). Topograph. Anat. Anat. of Infant. 12-1. Pharmacology (Lecture).
	2-5. Pathology.	2-5.† Drawing as Applied to Anatomy.
THIRD TRIMESTER. (Mar. 16 to May 29, incl.)	9-10. Bacteriology in Relation to Disease. Dr. Clough. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group II. Medical Disp. Group IV. Physical Diag. Groups I. and III. Preparatory Surgery. 12-1. Amphitheatre Clinic. Dr. Futcher.	9-10. Demonstration of Autopsy Material. 1st half Class. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1—Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group I. Medical Disp. Group III. Physical Diag. Groups II. and IV. Preparatory Surgery. 12-1. Physical Diagnosis of Circulatory System. Dr. Futcher.
	2-3. Physiology in Relation Medicine (Lecture—required). 3-5 Laboratory Demonstrations (Optional).	2-3. Pharmacology (Recitation). 3.30-4.30. Pediatrics.

EXPLANATORY NOTE.—Elective courses are indicated by a dagger (†), all other courses are required.

To enter upon the clinical work in the third trimester of the second year, the student must have satisfactorily completed the required work in the first year and in the first two trimesters of the second year.

† Electives or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Physiology in Relation to Medicine,

SECOND YEAR, 1913-1914

Wednesday.	Thursday.	Friday.
9-10.† Study Room (Anatomy. 10-11. Pharmacology (Lecture). 11-12. Autopsies.* 12-1. Demonstration of Autopsy Material (A).	9-10. Physiology (Lecture). 10-1. Physiology (B). Physiological Chemistry (A)	9-11.† Study Room (Anatomy). 11-12. Autopsies.* 12-1. Demonstration of Autopsy Material (B).
2-5. Pathology.	2-5. Physiology (B). Physiological Chemistry (A).	2-5. Pathology.
9-12.† Study Room (Anat.). Topograph. Anat. Anat. of Infant. 10-12. Autopsy Demonstration. Group II. 12-1. Pharmacology (Lecture).	9-12.† Autopsies. Hygiene. Study Room (Anat.). Topograph. Anat. Anat. of Infant.	9-10.† Study Room (Anatomy). Topograph. Anat. Anat. of Infant. 10-12. Autopsy Demonstration. Group III. 12-1. Pharmacology (Lecture).
2-5. Pathology.	2-5.† Experimental Pharmacology.	2-5. Pathology.
9-10. Oversight Lecture. Dr. Barker. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group II. Physical Diag. Group IV. Medical Disp. Groups III. and I. Preparatory Surgery. 12-1. Amphitheatre Clinic. Dr. Barker.	9-10. Demonstration of Autopsy Material. 2nd half Class. 10-11. Surgery. Dr. Halsted. (Lecture). 11-12. Physical Diagnosis of Respiratory System. Dr. Thayer. 12-1. Amphitheatre Clinic. Dr. Thayer.	9-10. Pharmacology in Relation to Medicine. Dr. Rowntree. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group I. Physical Diag. Group III. Medical Disp. Groups IV. and III. Preparatory Surgery. 12-1. Physical Diagnosis of Abdominal Viscera.
2-5. Regional Anatomy. Groups I. and II. 1st half tri. 2nd half tri. (Autopsy Room). Pediatrics.	2-4. Medical Psychology. Dr. Meyer. Required.	2-5. Regional Anatomy. Groups III. and IV. 1st half tri. 2nd half tri. (Autopsy Room). Pediatrics.

Physiological Chemistry, Pharmacology, Toxicology, Experimental Pathology and Hygiene.

* Autopsies according to special announcement. When material is ready the autopsies will be performed at this hour.

Students who desire to take up or continue research work may be excused from the afternoon exercises of the 3rd trimester. Such students must be recommended by the respective instructors to the 3rd and 4th Year Committee.

SCHEDULE FOR THE

MONDAY.	TUESDAY.	WEDNESDAY.
9-10. Obstetrics (Recitation).	9-10. Group I.—Gynecology 1st half year. Group II.—Obstetrics 1st half year. Group I.—Obstetrics 2nd half year. Group II.—Gynecology 2nd half year. Surgical Recitation. Groups III. and IV. 1st halfyear. Groups I and II. 2nd half year. Dr. Finney.	9-10. Obstetrics (Recitation).
10-12. (Oct. to Feb.) Group I. Surgical Disp. Group II. Medical Disp. Group III. Nervous Disp. Group IV. Physical Diagnosis. (Feb. to June.) Group IV. Surg. Disp. *Group III. Medical Disp. Group II. Nervous Disp. *Group I. Physical Diag.	10-11. First and Second Trimester. Gynecology (Recitation.) Third Trimester. Gynecological Pathology. 11-12. Neurology, Clinic or Recitation.	10-12. (Oct. to Feb.) Group III. Surgical Disp. Group IV. Medical Disp. Group I. Nervous Disp. Group II. Physical Diagnosis. (Feb. to June.) Group II. Surgical Disp. *Group I. Medical Disp. Group IV. Nervous Disp. *Group III. Physical Diagnosis.
12-1. Medical Clinic. Dr. Futcher.	12-1. Surgical Clinic Dr. Finney.	12-1. Medical Clinic. Dr. Barker.
2-3. Clinical Microscopy. Recitation and Demonstrations [1st and 2d Trimester.] 3-4. Pharmacy. [1st Trimester.] 4-6. Practical Pharmacy. Elective. [1st Trimester.] 3-4. Practical Therapeutics. Medical Amphitheatre. [2d and 3d Trimester.] 2-3. Hygiene and Legal Medicine. [3d Trimester.]	2-4.30. Clinical Microscopy. (Laboratory). [1st and 2d Trimester.] 1.30-5. Elective Drawing. [3d Trimester.] 2-3. Psycho.-Pathology (Required). [3d Trimester.] 3-5. Clinical Microscopy. Elective. (½ Trimester). [3d Trimester.]	2-3. Surgical Pathology. Clinic and Demonstration. Three Trimesters). 3-4.30 Surgical Pathology (Laboratory). Elective. Group Work or Special Work ½ to 1½ units.
4-5.30. Ophthalmoscopy (In groups.)	4.30-5.30. Medicine (Recitation). Oct. to Jan. 1. Dr. Clough.	4.30-5.30. Medical Zoölogy. Oct. to Jan. 1. Medicine (Recitation). Jan. 1 to June 1.

Unit equals 66 hours.
6 hours a week for 1 term.
2 hours a week for 1 year.
Students must take 1½ units of work during the year in these or other elective courses during these hours.

THIRD YEAR, 1913-1914

THURSDAY.	FRIDAY.	SATURDAY.
9-10. Group III.—Gynecology 1st half year. Group IV.—Obstetrics 1st half year. Group III.—Obstetrics 2nd half year. Groups IV.—Gynecology 2nd half year. Surgical Recitation. Groups I and II. 1st half year. Groups III and IV. 2nd half year. Dr. Follis.	9-10. Physical Diagnosis (Recitation). Dr. Futcher.	9-10. Obstetrics (Recitation).
10-12. (Oct. to Feb.) Group II. Surgical Disp. Group I. Medical Disp. Group IV. Nervous Disp. Group III. Physical Diagnosis. (Feb. to June.) Group III. Surgical Disp. *Group IV. Medical Disp. Group I. Nervous Disp. *Group II. Physical Diagnosis.	10-12. Surgical Clinic. Dr. Finney.	10-12. (Oct. to Feb.) Group IV. Surgical Disp. Group III. Medical Disp. Group II. Nervous Disp. Group I. Physical Diagnosis. (Feb. to June.) Group I. Surgical Disp. *Group II. Medical Disp. Group III. Nervous Disp. *Group IV. Physical Diagnosis.
12-1. Medical Clinic. Dr. Tnayer.	12-1. Surgical Clinic (3rd and 4th years). Dr. Halsted. Nervous Diseases (Recitation). After April 1.	12-1. Medical Clinic (3rd and 4th years). Medical Amphitheatre. Dr. Barker.
2-4.30 Clinical Microscopy (Laboratory). [1st and 2d Trimester.] 2-3. Hygiene and Legal Medicine (Lecture). Required. [3d Trimester.] 3-5. Elective. Clinical Microscopy. Elective. (½ Trimester). Medicine = ½ unit. [3d Trimester.]	Elective. 11-5. Operative Surgery, in Groups = 1 unit. (Repeated each trimester). 2-4.30 Surgical Pathology (year) = 1½ unit. Obstet. Pathology, 1 Tri. = ½ unit. (Repeated first and second Trimesters). Medicine (year = 1 unit). (Repeated each Trimester).	2-4. Laryngoscopy (Required). In groups. Dr. Crowe.

* In the third trimester Groups I. and III. will go to the City Hospital, Bay View, on Monday and Wednesday from 10 A. M. to 1 P. M., and Groups II. and IV. on Thursday and Saturday, at the same hours.

Medical Section, including Pediatrics, Monday and Thursday, 11-1.....
Surgical Section.....
Elective Section.....

MEDICAL SECTION. Medical Wards, Dispensary and Laboratories, 8.30 A. M. to 12 M., and 2 to 4.30 P. M. = 6 units.

SURGICAL SECTION. Surgical Wards, Ward Visits, Operating Room and Laboratories (entire Section), 9 A. M. to 12 M. = 3 units. Recitation in Surgery, Friday, 9 A. M. (entire group). Ophthalmology (½ group for ½ Tri.) 2-3.30 P. M. = 1 unit, leaving 1½ units elective. Elective Courses, afternoons, 2-4.30.

12-1 LECTURES

	MONDAY.	TUESDAY.	WEDNESDAY.
First Trimester. October to Christmas	(*a*) Medical Clinic. Dr. Futcher. (*b*) Diseases of Children. Dr. Knox. (*c*) Genito-Urinary. Dr. Young.	(*a*) Surgical Clinic. Dr. Finney. (b) Relations of the Autonomic Nervous System to Visceral Diseases. Dr. Barker. (*c*) Nervous Diseases. Dr. Thomas.	Clinical Pathological Conference. Drs. Thayer and Whipple.
Second Trimester. January to March 15.	(*a*) Dr. Futcher. (*b*) Dr. Knox. Acute Gastro-Intestinal Diseases. (*c*) Dr. Young. Genito-Urinary.	(*a*) Dr. Finney. (*b*) Dr. Thomas. (*c*) Diseases of Children. Dr. Howland.	Clinical Pathological Conference. Drs. Thayer and Whipple.
Third Trimester. March 15 to June.	(*a*) Dr. Futcher. (*b* Dr. Hamman. Clinic in Pulmonary Diseases. (*c*) Dr. Young.	(*a*) Dr. Finney. (*b*) Dr. Hamburger. Minor Ailments. (*c*) Dr. Thomas. (*d*) Dr. Howland.	Clinical Pathological Conference. Drs. Thayer and Whipple. Medical Ethics. (2 lectures).

The course on Wednesday, Friday and Saturday are obligatory, and continue throughout the year. Those on other days are elective and arranged in Trimesters, but every student must choose one of them for each day and pursue same for entire Trimester.

Medical Zöology, Wednesday, 4.30 to 5.30. First Trimester.

ELECTIVE

MORNINGS.

Medical Research, - - - - - - - - - - daily 9-12 = 3 U.
Surgery (Major), Dr. Halsted and Staff, - - - - - daily 9-12 = 3 U.
Surgical Diagnosis and Pathology. Dr. Bloodgood. 12 students. Wednesday and Friday, - - - - - - - - 8-9 = ½ to 1 U.
Surgical Diagnosis and Pathology. Special Work. Dr. Bloodgood, daily = ½ to 1½ U.
Gynecology, Monday, Wednesday and Saturday, 10 students, Drs. Kelly, Cullen and Burnam, - - - - - - - - - 9-12 = 1½ U.
Obstetrics, Tuesday, Thursday and Friday, 10 students. Dr. Williams and Staff, - - - - - - - - - - - 9-12 = 1½ to 2½ U.
Children's Diseases (Major). Dr. Howland and Staff, - - - daily 9-12 = 3 U.
Genito-Urinary (Major). Dr. Young, - - - - - - daily 9-12 = 3 U.
Genito-Urinary (Minor for ½ Tri.). Drs. Young and Geraghty . daily 10-12 = 1 U.
Bacteriology and Pathology of G.-U. Tract. Dr. Geraghty . twice weekly 9-10 = ⅓ U.
Psychiatry (Major). Dr. Meyer and Staff, - - - - - - 9-12 = ½ U.
Research, other departments, - - - - - - - - daily 9-12 = 3 U.
Neurology (Minor). Dr. Thomas, - - - - - - - - daily 10-11 = 1 U.
Orthopedics (3 times weekly, 1 Trimester). Dr. Baer, - - 10-12 = 1 U.
Phipps Dispensary:
Elementary Course (1st Tri.) twice weekly, limited to 4 students. Drs. Wolman and Austrian, - - - - - - 10-12 = ⅔ U.
Drawing as Applied to Medicine. Mr. Brodel, - - - Tuesday, 1.30-5 = ½ U.

AFTERNOONS.

Ophthalmology (Major). Dr. Theobald, Dr. Randolph and Staff, daily 2-4.30 = 2½ U.
Ophthalmology (Lecture). Dr. Theobald. - - - - Thursday, 3.30-4.30 = ⅙ U.
Dermatology (Major). Drs. Gilchrist and Lord (limited to 10), - daily 2-4.30 = 2½ U.
Dermatology (Minor for ½ Tri.). Drs. Gilchrist and Lord, - daily 2-3.30 = 1 U.
Dermatology (Clinical Lecture). Dr. Gilchrist, - - Tuesday, 3.30-4.30 = ⅙ U.
Laryngology (Major). Dr. Crowe and Staff, - - - - daily 2-3.30 = 2½ U.

All courses extend over one Tri

Student must take 18 units during the year:

Medicine, - - - - - - - - - -	6 units.
Surgery, - - - - - - - - - -	3 "
Obligatory afternoon exercises (Wed., Fri. and Sat.),	1 "
2 Specialties, - - - - - - - - -	2 "
(Ophthalmology and one minor elective),	
6 Elective Units, - - - - - - - - -	6 "
	18 units.

Unit or Minor Course equals 66 hours, or
6 hours a week for 1 Trimester.
2 hours a week for 1 year.

FOURTH YEAR, 1913-1914

1st Trimester. October to Christmas.	2nd Trimester. January to March 15.	3rd Trimester. March 15 to June.
Group I. Group II. Group III.	Group III. Group I. Group II.	Group II. Group III. Group I.

Elective Section. Elective Courses, mornings, 9-12, and afternoons 2-4.30. If Genito-Urinary, Orthopedics, Neurology or Children be not taken in morning hours, Laryngology or Dermatology must be taken for half of Tri. from 2-3.30 P. M. = 1 unit, leaving ½ unit elective from 3.30 to 4.30.

AND CLINICS

Thursday.	Friday.	Saturday.
(a) Medical Clinic. Dr. Thayer. (b) Orthopedics. Dr. Baer. (c) Psychiatry. Clinical Demonstration. Dr. Meyer. (d) Nervous Diseases. Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. Oct. — to Jan. 1. 3-30-5.30. Dr. Meyer.
(a) Dr. Thayer. (b) Dr. Baer. (c) Psychiatry, Clinical Demonstration. Dr. Meyer. (d) Dr. Thomas. (e) Dr. Futcher. Diseases of the Ductless Glands.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. (Elective.) Sheppard-Pratt Hosp., Bay View or Spring Grove Hospital). 3.30-5.30.
(a) Dr. Thayer. (b) Dr. Baer. (c) Dr. Thomas.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Barker. Psychiatric Clinics. (Elective.) 3.30 to 5.30.

Courses may be pursued for entire year or changed each Trimester. Attendance on three of these elective courses for one Trimester = ½ unit.

Psychiatry (11 lectures), Fridays, 4.30-5.30. Subject to change.

COURSES

Laryngology (Minor for ½ Tri.). Dr. Crowe and Staff,	daily 2-3.30	= 1 U.
Laryngology (Lecture). Dr. Crowe, - - Wednesday,	3.30-4.30	= ⅙ U.
Bronchoscopy and Oesophagoscopy, 3d Tri. Dr. Crowe (Hunterian Lab.), Tuesday, - - - - - - - -	3-5	= ⅓ U.
Obstetrical Pathology. Dr. Williams and Staff (Repeated two Tri.), Friday, - - - - - - - - -	2-4.30	= ½ U.
Gynecological Dispensary. Drs. Watkins and Richardson, daily, 2 to 4 P. M., 1 Trimester, sections of two students each day, - - - - - - - - - -		= ⅓ U.
Gynecological Pathology (Repeated two Trimesters). Drs. Cullen and Hurdon, - - - - - - -	2-4.30	= ½ U.
Gynecology (Lecture). Dr. Burnam, - - Monday,	4.30-5.30	= ⅙ U.
Cystoscopy. Drs. Hunner and Burnam, Tuesday, Thursday and Saturday, ½ Trimester (limited to 3 students), - -	2-3.30	= ⅓ U.
Psychiatry. Dr. Berkley, - - - - - - Tuesday,	3.30-5.30	
Psychiatry, laboratory work as arranged.		
Medical Research, - - - - - - - daily,	2-4.30	= 2½ U.
Research in other departments, - - - - - daily,	2-4.30	= 2½ U.
Experimental Pathology (Minor). Dr. Whipple, twice weekly,	2-4.30	= 1 U.
Clinical Microscopy (3d Tri.). Dr. Guthrie, twice weekly for ½ Tri., - - - - - - - - - - - -	3-5	= ½ U.
Phipps Dispensary: Advanced Course (3d Trimester). Drs. Hamman, Wolman and Austrian, twice weekly, Tuesday and Friday, - - - - - - - - - - - -	10-12	= ⅔ U.
Infectious Diseases (Lecture). (2d Trimester). Dr.——— twice weekly, - - - - - - - - - - -	4.30-5.30	= ⅓ U.
Special Methods of Investigation of Infectious Diseases (2d Trimester). Dr. ———, - - - twice weekly,	2-4.30	= 1 U.
Medical Bacteriology (Lecture). Drs. ——— and Austrian, - - - - - - - - - - - - once weekly,	2-3	= ⅙ U.

mester, unless otherwise stated.

SUMMARY OF THE WORK.

Medical Group.	Wards, etc., - - - -	8.30-12
	Lecture or Clinic, - - -	12-1
Surgical Group.	Wards, etc. - - - -	2-4.30
	Wards, - - - - -	9-12
	Lecture or Clinic, - - -	12-1
Elective Group.	Ophthalmology, - - - -	2-3.30
	Elective Work, - - -	2-4.30
	Elective Work, - - - -	9-12
	Lecture or Clinic, - - -	12-1
	Elective Specialties, - -	2-4.30

(Groups alternate each Trimester.)

APPENDIX

APPENDIX

I

ENDOWMENT

The founder of the Johns Hopkins University, in devoting his large fortune to the establishment of the University and the Hospital, had in view the organization of a school of medicine. In his letter addressed to the Trustees of the Hospital, dated March 10, 1873, these significant words occur:

"It will be your especial duty to secure, for the service of the Hospital, surgeons and physicians of the highest character and greatest skill. . . . In all your arrangements in relation to this Hospital, you will bear constantly in mind that it is my wish and purpose that the institution shall ultimately form a part of the Medical School of the University for which I have made ample provision in my will."

When the University was opened in 1876, arrangements were made for instruction in those sciencs such as physics, chemistry, and biology, which lead up naturally to the professional study of medicine. In 1884 the professorship of pathology was filled and the pathological laboratory was opened. In 1889 the Johns Hopkins Hospital was opened, and the physician, surgeon, and gynecologist in chief to the Hospital were appointed to the professorships, respectively, of medicine, surgery, and gynecology and obstetrics. At the same time the professor of psychiatry was appointed. Opportunities for instruction were afforded to graduates in medicine. Ampler endowment however, was needed to complete the organization of a medical department.

Gifts amounting to $111,731.68, most of which were offered to this University in October, 1890, by a committee of women, and an additional gift of $306,977, offered to the University in December, 1892, in addition to her previous subscriptions, by Miss Mary Elizabeth Garrett, made up, with other available resources, the amount of $500,000, which had been agreed upon by the Trustees as the minimum sum to be secured for the opening of the Medical Department. These generous contributions were made upon condition that women be received upon the same terms as men.

This endowment, added to the available resources of the Johns Hopkins University and the Johns Hopkins Hospital, enabled the

Trustees to complete the organization of the Medical Department and to open it for instruction in 1893.

II

THE WOMEN'S MEDICAL SCHOOL FUND

At a meeting of the Board of Trustees of the University, October 28, 1890, the following letter was presented:

"The committee formed for the purpose of raising a fund to procure the most advanced medical education for women, can now place at your disposal the sum of one hundred thousand dollars for the use of your Medical School, if you will, by resolution, agree that women whose previous training has been equivalent to your preliminary medical course, shall be admitted to the school, when it shall open, upon the same terms which may be prescribed for men. There can be no doubt that women ought to be trained to act as nurses for sick women. There is as little doubt that a sufficient number of women ought to be educated and trained in such manner as to be fully able to care for sick women who may wish or ought to be treated by women. We have devoted ourselves to the furtherance of this object. We have reason to hope that a university which proposes to found a medical school intended to teach advanced methods in the treatment of those diseases which affect mankind, will not refuse to women the opportunity of learning such methods. There is now a general interest in our movement. In order that this interest may be sustained, we ask you to consider our offer at the earliest possible period.

NANCY MORRIS DAVIS,
Chairman of the Baltimore Committee."

The following minute was adopted by the Trustees:

The President and Board of Trustees of the Johns Hopkins University have received from Mrs. Nancy Morris Davis, chairman of one of the committees formed for the purpose of raising a fund to procure the most advanced medical education for women, the gratifying intelligence that $100,000 has been raised for the use of their intended Medical School, and is at their disposal, if they will, by resolution, agree to the terms upon which the money was contributed by its donors.

The terms are that this Board, if it accepts the funds thus raised, shall agree, by resolution, that, when its Medical School shall be

opened, women whose training has been equivalent to the preliminary medical course prescribed for men, shall be admitted in such school upon the same terms as may be prescribed for men.

The offer to this University of the particular fund is the free, voluntary act of women residing in this State and in other States, made without the suggestion or solicitation of this Board, and we accept it under and subject to the terms which are made a part of the gift, with the understanding and declaration, however, that such preliminary training in all its parts be obtained in some other institution of learning devoted, in whole or in part, to the education of women, or by private tuition.

The fund so contributed shall be invested and known as "The Women's Medical School Fund," and that fund, and all interest to accrue thereon and all additions made thereto for the same purpose, shall remain invested for the purpose of increase only until, with its aid as a foundation, a general fund has been accumulated amounting to not less than $500,000, and sufficient for the establishment and maintenance of a Medical School worthy of the reputation of this University, and fully sufficient as a means of complete medical education. Then, and not until then, will a Medical School be opened by this University; and then, and not until then, will the gift now offered be used by this University; and then, and not until then, will the terms attached thereto be operative.

The utility of a training school for women nurses has been demonstrated by the experience and practice of the Johns Hopkins Hospital, and by the necessities of home life among our people.

This Board is satisfied that in hospital practice among women, in penal institutions in which women are prisoners, in charitable institutions in which women are cared for, and in private life, when women are to be attended, there are a need and place for learned and capable women physicians; and that it is the business and duty of this Board, when it is supplied with the necessary means for opening its proposed Medical School, to make provision for the training and full qualification of such women for the abundant work which awaits them in these wide fields of usefulness.

Nothing contained in this minute shall be construed as abridging in any manner, the right of the Board of Trustees of the Johns Hopkins University to make such rules and regulations as they may deem necessary for the government of its School of Medicine, when it is organized; and in making such rules and regulations, the terms of this minute shall always be respected and observed.

III

THE MARY ELIZABETH GARRETT FUND *

TERMS OF THE GIFT, AS ACCEPTED BY THE TRUSTEES, FEBRUARY, 21, 1893.

Miss Mary Elizabeth Garrett, in order to make up the sum of $500,000, which the Board of Trustees required should be secured as an endowment before the Medical School of the University was opened, has contributed to that fund the sum of $306,977 upon the following terms, which have been agreed to by the University:

1. That women shall enjoy all the advantages of the Medical School of the Johns Hopkins University on the same terms as men, and shall be admitted on the same terms as men to all the prizes, dignities or honors that are awarded by competition, examination, or regarded as rewards of merit.

2. That not more than $50,000 of the original endowment of $500,000 shall be expended on a building or buildings; and that in memory of the contributions of the Committees of the Women's Medical School Fund, this building, if there be but one, or the chief building, if there be more than one, shall be known as the Women's Fund Memorial Building.

3. That the Medical School of the University shall be exclusively a graduate school as hereinafter explained, that is to say: That the Medical School of the Johns Hopkins University shall form an integral part of the Johns Hopkins University, and, like other departments of the University, shall be under the management and control of the Trustees of the said University, that it shall provide a four years' course, leading to the degree of Doctor of Medicine; that there shall be admitted to the school those students only who, by examination or by other tests equally satisfactory to the Faculty of the Medical School (no distinction being made in these tests or examinations between men and women), have proved that they have completed the studies included in the Preliminary Medical Course (Group Three, Chemical-Biological Course) as laid down in the University Register (but this condition is not meant to restrict the Trustees from receiving as hearers, but not as candidates for the degree of Doctor of Medicine, those who have received the degree of Doctor of Medicine, or its equivalent, in some school of good repute); and that the degree of Doctor of Medicine of the Johns Hopkins University shall be given to no Doctor of Medicine who

* So designated by the Trustees, September 24, 1902.

have not proved by examination or by other tests equally satisfactory to the Faculty of the Medical School that they have completed the studies included in the Preliminary Courses, besides completing the course of instruction of the Medical School of the Johns Hopkins University.

The aforegoing provision shall not be construed as restricting the liberty of the University to make such changes in the requirements for the admission to the Medical School of the Johns Hopkins University or to accept such equivalents for the studies required for admission to this school as shall not lower the standard of admission specified in this clause; provided that the requirements in modern languages other than English shall not be diminished, and provided also that the requirements in non-medical scientific studies shall include at least as much knowledge of natural science as is imparted in the three minor courses in science now laid down in its university register, the subjects and arrangements of these scientific studies being subject to such modifications as may from time to time seem wise to its Board and to the Faculty of the Medical School, but being at all times the same for all candidates for admission. (For such requirements always see University Register.)

4. That the terms of this gift and the resolutions of October 28, 1890, by which the Trustees accepted the gift of the Women's Medical School Fund, shall be printed each year in whatever annual calendars may be issued announcing the courses of the Medical School. (See appended resolutions.)

5. That there shall be created a committee of six women to whom the women studying in the Medical School may apply for advice concerning lodging and other practical matters, and that all questions concerning the personal character of women applying for admission to the School, and all non-academic questions of discipline affecting the women studying in the Medical School shall be referred to this committee, and by them be in writing reported for action to the authorities of the University; that the members of this committee shall be members for life; that the committee, when once formed shall be self-nominating, its nominations of new members to fill such vacancies as may occur being subject always to the approval of the Board of Trustees of the University.

6. That in the event of any violation of any or all of the aforesaid stipulations, the said sum of $306,977 shall revert to her, or such person or persons, institution or institutions, as she by testament or otherwise may hereafter appoint.

It will be observed that by the tenor of the aforegoing terms no university course will be in any way modified by any conditions attached to her gift. These conditions relate exclusively to prepara-

tion for the Medical School, and have received, in the shape in which they are now presented, the unanimous approval of the Medical Faculty of the University.

The terms of admission to the Medical School of the University, as formulated and interpreted by the Medical Faculty of the University, February 4, 1893, and here subjoined, are therefore in entire accordance with the terms of her gift.

(Signed) MARY E. GARRETT.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL SCHOOL OF THE JOHNS HOPKINS UNIVERSITY, UNANIMOUSLY APPROVED BY THE MEDICAL FACULTY, FEBRUARY 4, 1893.

A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A. B. degree in the University.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have a good reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry and biology as is imparted by the regular minor courses given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, physics, chemistry and biology already indicated.

By approved colleges and scientific schools are meant those whose standard for graduation shall be considered by this University as essentially equivalent to its standard for graduation in the undergraduate department.

It is to be understood that at least one year's study in the Chemical and Biological Sciences in their immediate relation to medicine shall be required from students after their entrance to the Medical School.

WOMEN'S COMMITTEE OF MEDICAL SCHOOL

MISS MARY E. GARRETT,
MRS. ALFRED HODIER,
MRS. WILLIAM H. HOWELL,
MRS. HOWARD A. KELLY,
MISS M. CAREY THOMAS,
MRS. HENRY M. THOMAS.

Their duties are stated in paragraph 5 of the letter printed above.

IV

THE BAXLEY MEDICAL PROFESSORSHIP

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact, and was invested by the Trustees with the purpose of allowing it to accumulate until it had reached a sum more adequate to carrying out the desire of the founder. In March, 1901, upon the request of the President and the Medical Faculty, the Board of Trustees of the University directed that this fund shall be set apart to endow the Professorship of Pathology in the University, which shall hereafter be known as the Baxley Professorship of Pathology.

V

THE HERTER LECTURESHIP

In November, 1902, Dr. and Mrs. Christian A. Herter, of New York, offered to the Medical Department of the Johns Hopkins University the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." This gift was accepted by the Trustees of the University November 3, 1902. According to the terms of the gift, some eminent worker in Physiology or Pathology is to be asked each year to deliver a lecture at the Johns Hopkins University upon a subject with which he has been identified. The selection of a lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine, and if "in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." The committee named for this purpose consists of Drs. Welch, Abel and Barker.

LECTURERS ON THIS FOUNDATION

Professor Paul von Ehrlich, of Frankfort.
Professor Hans H. Meyer, of Vienna.
Professor Almroth E. Wright, of London.
Professor Edward A. Shäfer, of Edinburgh.
Professor Hans Chiari.
Professor Albrecht Kossel, of Heidelberg.
Professor George F. Nuttall, of Cambridge, England.

VI

THE ENDOWMENT OF THE JOHNS HOPKINS HOSPITAL

The intimate connection between the Medical School and the Johns Hopkins Hospital renders it proper to mention the facilities of the Hospital as an important adjunct to the endowment of the Medical School. By the letter of instruction of the founder, it was provided that the Johns Hopkins Hospital should furnish clinical facilities for the Medical School. In the purchase of the site of the Hospital, the location and arrangement of buildings, the construction of the apparatus for heating and ventilation and all other hygienic appliances, the purpose of medical instruction was constantly borne in mind. The original buildings and grounds of the Hospital, not including the Harriet Lane Home, the Phipps Psychiatric Clinic and the Brady Urological Institute, have cost upwards of two millions of dollars. Upon the hospital grounds have been erected twenty-one buildings, which furnish ample facilities for the accommodation of 600 in-patients and many thousand out-patients. These buildings also provide class-rooms in connection with the out-patient department, a large clinical laboratory, a surgical building with rooms for the study of surgical pathology and five operating rooms, clinic rooms, several lecture rooms, a clinical amphitheatre and an autopsy amphitheatre, all equipped with ample apparatus for the instruction of students. The administration building furnishes accommodation for a medical staff of over fifty persons. It also has a large library and reading rooms.

VII

THE ENDOWMENT OF THE CLINICAL LABORATORY

A similar endowment, which benefits the Medical School through the Hospital, has been a fund of $10,000 to build and equip a clinical laboratory upon the Hospital grounds for the use of Medical students. This laboratory permits each student in the third and fourth years to have a place for clinical work, including microscopes and reagents, the use of a dark room, access to polariscopes and other instruments. It also contains rooms for special study and research.

VIII

THE FUND FOR THE STUDY OF TUBERCULOSIS

This endowment for the study of tuberculosis has been placed in the hands of the Hospital Trustees for the study of the conditions of tubercular diseases in Baltimore. Through the funds afforded it has been practicable to employ a medical graduate to follow cases of tuberculosis and to watch the effects of methods of treatment; also to secure the services of medical students and nurses to visit the homes of tubercular patients and to give instruction as to the better care of the victims of the disease. By means of this fund facilities are further afforded to students to study tubercular cases that come to the out-patient department of the Hospital.

IX

THE PHIPPS FUND FOR THE STUDY OF TUBERCULOSIS

Through the liberality of Mr. Henry Phipps, a fund of $20,000 has been given to the Hospital for the erection of a separate building in connection with the out-patient department, for the special study of tuberculosis. He also contributes an additional fund each year for its maintenance. In this building rooms are arranged for the examination and treatment of patients, for a special library on tuberculosis, and for the laboratory study of the disease. The facilities thus afforded give exceptional opportunities for the study of all forms of tuberculosis.

X

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, June 12, 1908, Mr Henry Phipps, of New York, offered the funds necessary for the erection of a psychiatric hospital, on the grounds of the Johns Hopkins Hospital, to accommodate about eighty patients and to contain the necessary laboratory equipment, hydro-therapeutic apparatus and other modern facilities for treatment. He offered, moreover, to the Trustees of the Johns Hopkins University, additional funds for the establishment of a department of psychiatry

for a period of ten years from the opening of the clinic. This generous offer was accepted by the Trustees of the University and Hospital. The building was opened with impressive ceremonies in April, 1913, and affords unsurpassed facilities.

XI

THE HARRIET LANE HOME FOR INVALID CHILDREN

By her last will, Mrs. Harriet Lane Johnston, of Washington, D. C., left a sum of over $400,000 to establish in Baltimore The Harriet Lane Home for Invalid Children as a memorial of two sons who had died in childhood. In order to give this Home the largest usefulness, its Trustees decided to erect it upon the grounds of the Johns Hopkins Hospital and to open its wards for the instruction of physicians and nurses in the care and treatment of the diseases of children. The building, which accommodates 100 children, was opened in October, 1913, and affords unusual facilities for the study of the diseases of children, including those of an infectious nature.

XII

THE JAMES BUCHANAN BRADY UROLOGICAL INSTITUTE

In October, 1913, Mr. James Buchanan Brady of New York offered to the Trustees of the Johns Hopkins Hospital funds sufficient for the erection and maintenance of a special building for the care of 60 patients suffering from genito-urinary disorders. This generous offer was accepted, and the new building, which will be an integral part of the Johns Hopkins Hospital, will be designated as the James Buchanan Brady Urological Institute. It will be completed by the autumn of 1914, and will fill a long felt need both for the treatment of patients, the advancement of knowledge, and the instruction of physicians and students.

CATALOGUE OF STUDENTS

A—List of Candidates for the degree of M. D.

B—Geographical distribution of Students, etc.

C—List of Physicians attending Graduate and Summer Courses

ERRATA

(October 15, 1913)

The following changes have occurred in the list published September 1, 1913:

First Year Class

Omit:	J. S. Chambers	
	A. J. Crighton, Jr.	
	H. C. Germann	
	J. E. Johnston, Jr.	
	T. C. Mahady	
	A. N. Redelin	
	H. M. Waxman	
Add:	W. C. Blake	
	J. E. Huiskamp	
	R. B. Stewart	Total..... 89

Second Year Class

Omit:	J. A. Dougherty	
	R. W. Johnson, Jr.	
	L. N. Ossman	
Add:	W. W. Southard	Total..... 88

Third Year Class

Omit:	W. W. Anderson	
	S. Brock	
	C. M. Steele	
Add:	D. H. Doherty	
	H. S. Newcomer (Beginning January 1, 1914)	
	L. L. Rothschild	Total..... 91

Fourth Year Class

Add:	J. F. Smith (Beginning January 1, 1914)	
	E. B. Wood	Total..... 92
		Grand Total..... 360

CHARLES R. ESSICK, PH. D. (p. 18) *should be* M. D.

STUDENTS, 1913-1914

(Corrected to September 1, 1913.)

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

First Year

JAMES BURNS AMBERSON, JR. Waynesboro, Pa.
Ph. B., Lafayette College, 1913,

JAMES KERR ANDERSON. Pittsburgh, Pa.
A. B., Washington and Jefferson College, 1913.

WALTER THOMAS ANDERSON. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

JAMES LAMBERT BACCHUS. Chestertown.
A. B., Washington College, 1912; Graduate Student, Johns Hopkins University, 1912-13.

JOHN HERMAN BAIRD. Newark, O.
A. B., Kenyon College, 1913.

HORACE MCMURRAN BANKS. Shepherdstown, W. Va.
A. B., Washington and Lee University, 1913.

BENJAMIN F. BEAVERS. Decatur, Ind.
A. B., Wabash College, 1913.

HAROLD CEDRIC BEAN. Portland, Ore.
A. B., University of Oregon, 1912, and Medical Dept., 1912-13.

IRENE M. BLANCHARD. Normal, Ill.
A. B., University of Michigan, 1898; Graduate Student, Univ. Chicago, summer of 1907, Univ. of Michigan 1911-12, and summer of 1912.

WILLIAM JOSEPH FRANCIS BOWES. Baltimore.
A. B., Loyola College, 1912; Graduate Student, Johns Hopkins University, 1912-13.

LEO BRADY. Baltimore.
A. B., Johns Hopkins University, 1913.

G. BEDFORD BROWN, JR. Georgetown, Ky.
A. B., Georgetown College, 1912, and Yale University, 1913.

HUGH MAX BULLARD. Newberry, Pa.
S. B., Bucknell University, 1913.

CURLE LATIMER CALLANDER. Fargo, N. D.
A. B., Harvard University, 1913.

ALICE BERRY CARROLL. Columbus, O.
S. B., Ohio State University, 1911; Medical Dept., University of Wisconsin, 1911-1913.

WILLIAM GRANVILLE CATLIN. White Haven.
A. B., St. John's College, 1913.

JOHN SHARPE CHAMBERS. Murray, Ky.
S. B., Kentucky State University, 1913.

JOHN GARDNER CHEETHAM. Canton, N. Y.
A. B., St. Lawrence University, 1913.

GEORGE ARTHUR CLARK. Holyoke, Mass.
A. B., Hamilton College, 1913.

HALLIE MARGUERITE CLARK. Roxbury, N. Y.
S. B., Syracuse University, 1912.

ANDREW JOHN CRIGHTON, JR. E. Hartford, Conn.
A. B., Trinity College (Conn.), 1913.

HERMAN PORTER DAVIDSON. Lexington, Va.
A. B., Washington and Lee University, 1913.

HOWARD PHILIP DOUB. Beaver Creek.
A. B., Western Maryland College, 1913.

JOHN WESLEY DURR, JR. Montgomery, Ala.
A. B., University of Virginia, 1912; Graduate Student, University of the South, Summer 1913.

RAYMOND DUNSTON FEAR. Holland Patent, N. Y.
A. B., Hamilton College, 1913.

HUBERT WILLIAM FOWLE. Roland Park.
A. B., Williams College, 1910.

MORRIS FRISHMAN. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1913.

HERMAN ANDERSON GAILEY. Cardiff.
A. B., St. John's College, 1913.

THOMAS OWEN GAMBLE. Jasper, Ala.
S. B., University of Alabama, 1912.

LESLIE NEWTON GAY. Shamokin, Pa.
Ph. B., Lafayette College, 1913.

HILDEGARDE CATHARINE GERMANN. Quincy, Ill.
A. B., Vassar College, 1913.

IRMA GOLDMAN. Iola, Kans.
A. B., University of Kansas, 1913.

GORDON LEWIS GROOVER, JR. Savannah, Ga.
A. B., Washington and Lee University, 1912; Graduate Student, Johns Hopkins University, 1912-13.

RUTH ALLINE GUY. New York, N. Y.
A. B., Barnard College, 1912.

GEORGE EDWARD WEBB HARDY, JR. Baltimore.
A. B., Johns Hopkins University, 1913.

FRANK WILBUR HARTMAN. Eliott, Ia.
A. B., Knox College, 1913.

ROBERT VAL HOFFMAN. Hagerstown.
A. B., St. John's College, 1913.

SARAH ERNSTINE HOWARD. Reading, Mass.
A. B., Wellesley College, 1911.

CLANCY MONTAGUE JACKSON. Forsyth, Ga.
A. B., Mercer University, 1912.

LOUIS LLEWELLYN JACOBS. Baltimore.
A. B., Johns Hopkins University, 1913.

WADDIE PENNINGTON JACKSON. South Hill, Va.
A. B., Randolph-Macon College, 1910; Summer School, Columbia Univ., 1912.

JOHN HALL JANNEY, JR. Earlham, Ind.
S. B., Earlham College, 1913.

JOSEPH EDWARD JOHNSTON, JR. Dallas, Texas.
A. B., Baylor University, 1913.

JOHN ALBERT KEY. St. Petersburg, Fla.
S. B., Alabama Polytechnic Institute, 1913.

MERLE WILLIAM KING. Baltimore.
A. B., Allegheny College, 1908; Summer School, Cornell University, 1911, and Johns Hopkins University, 1913.

JOHN CHRISTIAN KOCH. Athens, Ga.
S. B., University of Georgia, 1912.

FREDERICK H. LINTHICUM. Baltimore.
A. B., Loyola College, 1912; Graduate Student, Johns Hopkins University, 1912-1913.

JAMES SHEARER MCCARTNEY, JR. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

FREDERICK FRANCIS MCGAULEY. Schenectady, N. Y.
S. B., Union College, 1912.

CLAUDE VINCENT MCMEEN. Enola, Pa.
Ph. B., Dickinson College, 1913.

MORLEY DANIELL MCNEAL. Cherokee, Ia.
A. B., State University of Iowa, 1913.

THOMAS CHRISTOPHER MAHADY. Clinton, N. Y.
A. B., Hamilton College, 1913.

HUBERT MELVILLE MANN. Schenectady, N. Y.
A. B., Union College, 1913.

JAMES HENRY MARSTON, JR. Baltimore.
A. B., Johns Hopkins University, 1913.

KARL HENRY MARTZLOFF. Portland, Ore.
A. B., University of Oregon, 1913.

KATHERINE KROM MERRITT. Stamford, Conn.
A. B., Vassar College, 1908.

GILBERT RICHARD MICKLETHWAITE. Portsmouth, O.
S. B., Ohio University, 1913.

LUTHER BONNET MILLER. Baltimore.
A. B., St. John's College, 1913.

THEODORE SIDNEY MOÏSE, JR. Savannah, Ga.
A. B., University of Georgia, 1913.

EDWARD NOVAK. Baltimore.
A. B., Johns Hopkins University, 1913.

LOUIS ERNEST PAYNE, JR. Leonardtown.
A. B., St. John's College, 1913; Graduate Student, Johns Hopkins University, 1913.

DELOS SCHUYLER PULFORD, JR. Tacoma, Wash.
S. B., Trinity College (Conn.), 1912.

RALPH LEWIS REBER. Reading, Pa.
Ph. B., Franklin and Marshall College, 1913.

ALBERT NORMAN REDELIN. Freeland, Pa.
S. B., Bucknell University, 1913.

JOHN L. RICE. New Haven, Conn.
S. B., Wesleyan University (Conn.), 1912.

IRL CEPHAS RIGGIN. Windsor, Va.
A. B., Western Maryland College, 1913.

BERTRAM JULIAN SANGER. Waco, Tex.
A. B., University of Texas, 1913.

JOSEPH PARDOE SHEARER. Milton, Pa.
S. B., Bucknell University, 1913.

JAMES WINN SHERRILL. Temple, Tex.
A. B., Baylor University, 1913.

DAVID NATHANIEL SHULMAN. Baltimore.
A. B., Johns Hopkins University, 1913.

George Marsden Shipton. Pittsfield, Mass.
A. B., Williams College, 1913.

Eben Elliott Smith. Dillsboro, Ind.
S. B., Moore's Hill College, 1913.

Merrill Clary Sosman. Chillicothe, O.
A. B., University of Wisconsin, 1913.

Richard Henry Staehle. Newark, N. J.
S. B., Princeton University, 1913.

John Louis Stifel. Pittsburgh, Pa.
A. B., Harvard University, 1913.

Cyrus Cressy Sturgis. Pendleton, Ore.
S. B., University of Washington, 1913.

Mark Hopkins Tibbetts. Gilbert, Minn.
S. B., Parsons College, 1913.

William Smith Tillett. Charlotte, N. C.
A. B., University of North Carolina, 1913.

Max Tischler. Wilkes-Barre, Pa.
Ph. B., Lafayette College, 1913.

Henry Christian Triesler. Hagerstown.
A. B., Western Maryland College, 1913.

Myron Griffin Tull. Baltimore.
A. B., Johns Hopkins University, 1913.

Nial Franklin Twigg. Cumberland.
A. B., St. John's College, 1913.

Margaret Tyler. Newton Centre, Mass.
A. B., Mt. Holyoke College, 1913.

Hobart Sanford Van Nostrand. Little Neck, L. I.
S. B., Colgate University, 1913.

Harold Moses Waxman. Baltimore.
A. B., Johns Hopkins University, 1913.

Robert Alexander Webb, Jr. Louisville, Ky.
A. B., Southwestern Presbyterian University, 1910; Graduate Student, Johns Hopkins University, 1910-1913.

Paul Ashley West. Gambier, O.
A. B., Kenyon College, 1912, and A. M., Oberlin College, 1913.

Johnson Bonar White. Abbeville, S. C.
A. B., Davidson College, 1910.

George Richard Wilkinson. Baltimore.
S. B., Davidson College, 1912.

LOUIS ALEXANDER WITZEMAN. Akron, O.
A. B., Harvard University, 1913.

FRANK DALLAM WORTHINGTON. Bel Air.
A. B., Princeton University, 1913.

MARY WRIGHT. Great Barrington, Mass.
A. B., Vassar College, 1913.

CORREN PINCKNEY YOUMANS. Fairfax, S. C.
S. B., Clemson College, 1913.

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Second Year

HERMAN S. APPLEBAUM. Baltimore.
A. B., Johns Hopkins University, 1912.

EMILY PARTRIDGE BACON. Moorestown, N. J.
A. B., Wilson College, 1912.

IRVIN C. BARCLAY. Macomb, Ill.
S. B., Knox College, 1912.

BRYAN ANDERSON BARLOW. Ashford, Ala.
S. B., University of Alabama, 1912.

PIO BLANCO. San Juan, P. R.
S. B., Washington and Jefferson College, 1912.

HARRY J. BURKHOLDER. Monmouth, Ill.
S. B., Monmouth College, 1912.

JOHN JOSEPH CARDEN, JR. Honolulu, H. I.
S. B., University of California, 1912.

PAUL WILLIAM CHRISTMAN. Berkeley, Calif.
S. B., University of California, 1912, and College of Medicine, *ibid.*, 1911-1913.

SEYMOUR GARLAND CLARK. Darien, Ga.
Ph. B., Emory College, 1912.

HENRY BROWN CONRAD. Winston-Salem, N. C.
A. B., and A. M., Wake Forest College, 1912 and 1913, and Medical Department, 1912-1913.

ELWOOD HARRIS COURTER. Basking Ridge, N. J.
S. B., Bucknell University, 1912.

WILLIAM WALTER CUMMINGS. Providence, R. I.
A. B., Brown University, 1912.

FRANK IRONS DARROW. Fargo, N. Dak.
S. B., North Dakota Agricultural College, 1912.

HAROLD BALL DISBROW. Lakewood, N. J.
A. B., Princeton University, 1911.

JOHN ALLEN DOUGHERTY. Baton Rouge, La.
A. B., Louisiana State University, 1912; Medical Department, Tulane University, 1912-1913.

JOSEPH PUGH EIDSON. Macon, Ga.
A.B., Miami University, 1912.

REUBEN JOHAN ERICKSON. Galesburg, Ill.
A. B., Knox College, 1911.

JAMES ALLAN ETHERIDGE. Macon, Ga.
A. B., University of Georgia, 1912.

LLOYD DERR FELTON. Magnolia, O.
A. B., Wooster University, 1910; Graduate Student, Columbia University.

ROY LAMAR FIELDER. Spring Valley, Va.
A. B. and S. B., Emory and Henry College, 1912.

WILLIAM PARKER FINNEY, JR. Lincoln University, Pa.
A. B., Princeton University, 1908; Graduate Student, Johns Hopkins University, 1911-12.

ROBERT GUY FULLER. Baton Rouge, La.
S. B., Louisiana State University, 1907.

HUGH C. F. GILL. Baltimore.
S. B., Maryland Agricultural College, 1912.

WALTER EDWARD GREMPLER. Baltimore.
A. B., Johns Hopkins University, 1912.

DAVID HORACE HALLOCK. Southampton, L. I.
A. B., Hamilton College, 1912.

HOWARD HARRISON HAMMAN. Greensburg, Pa.
S. B., Allegheny College, 1912.

MARGARET IRVING HANDY. Smyrna, Del.
A. B., Goucher College, 1911.

JOHN WARTON HARRIS. Reidsville, N. C.
A. B. and A. M., University of North Carolina, 1911-12.

GEORGE ARGALE HARROP, JR. South Bend, Ind.
A. B., Harvard University, 1912.

CHARLES MAXWELL HARMON. Cassopolis, Mich.
A. B., Lake Forest College, 1912.

ROBERT MULLINEAUX HEINE. Ellicott City.
A. B., St. John's College, 1910.

GEORGE WILLIAM HENRY. Oswego, N. Y.
A. B., Wesleyan University (Conn.), 1912.

FREDERICK KARL HERPEL. Reynoldsville, Pa.
A. B., Allegheny College, 1912.

ELIJAH MAXIE HICKS, JR. Coward, S. C.
A. B., Furman University, 1912; and A. M., 1913.

ROBERT CARHART HOOD. Clarksburg, W. Va.
A. B., Washington and Lee University, 1912.

JACK MASON HUNDLEY. Baltimore.
A. B., St. John's College, 1912.

EDWARD EARLE HUSSEY. Wichita, Kans.
A. B., St. Mary's College (Kan.), 1911; Graduate Student, Johns Hopkins University, 1911-12.

MILDRED JENKS. Boston, Mass.
A. B., Wellesley College, 1911; Medical Department, J. H. U., 1911-1912.

ROBERT WILKINSON JOHNSON, JR. Baltimore.
A. B., Princeton University, 1912.

JOSEPH KETZKY. Montgomery, Ala.
S. B., Alabama Polytechnic Institute, 1912.

ARTHUR LYMAN KINNE. Holyoke, Mass.
A. B., Dartmouth College, 1912.

CLARA LANGENBECK. Cincinnati, O.
S. B., University of Cincinnati, 1895.

JOSEPH SELL LAWRENCE. York, Pa.
A. B., Franklin and Marshall College, 1904, and A. M., 1912.

HUGH FRANCIS LENA. Lawrence, Mass.
A. B., Dartmouth College, 1912.

ASA LIGGETT LINCOLN. Lacey Spring, Va.
A. B., Elon College, 1910, and A. M., 1911.

HARRY LINDEN. Baltimore.
A. B., Johns Hopkins University, 1912.

JOHN GABRIEL LONG. Lancaster, Pa.
A. B., Franklin and Marshall College, 1912.

IRVING KENNEDY LOVETT. Little Silver, N. J.
Ph. B., Lafayette College, 1912.

LAWRENCE KINSMAN MCCAFFERTY. Columbus, O.
A. B., Kenyon College, 1912.

CHARLES LEE MCCARTHY. Princeton, N. J.
S. B., Princeton University, 1912.

EDITH HELEN MAAS. New York, N. Y.
A. B., Vassar College, 1912; Columbia University, Summer, 1912.

RICHARD S. MAJOR. Johnsonville, S. C.
A. B., Wofford College, 1909.

WALTER BRAMBLETTE MARTIN. Norfolk, Va.
S. B., Virginia Polytechnic Institute, 1909.

FREDERICK A. MILLER. Hagerstown.
A. B., St. John's College, 1912.

HOWARD STEPHEN MILLER. Freedom, Pa.
S. B., University of Pittsburgh, 1912.

MILO KIRK MILLER. Urbana, Ill.
A. B., University of Illinois, 1912.

WILLIAM THOMAS MITCHELL, JR. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1912.

JOHN HENRY MULLIN. Wilmington, Del.
S. B., Princeton University, 1912.

DAVID REID MURCHISON. Wilmington, N. C.
A. B., University of North Carolina, 1912.

HUBERT MAURICE NICHOLSON. Muskogee, Okla.
S. B., University of Oklahoma, 1912.

LAWRENCE N. OSSMAN. Salt Lake City, Utah.
A. B., University of Utah, 1913; Medical Department, *ibid.*, 1911-1913.

MOSBY HALE PAYNE. Vera, Va.
A. B., Washington and Lee University, 1911.

ALFRED PFITSCH, JR. Baltimore.
A. B., Western Maryland College, 1912.

CHARLES BERNARD PRITCHETT. Danville, Va.
A. B., Washington and Lee University, 1912.

SIDNEY O. REESE, JR. Randolph, Neb.
S. B., University of Nebraska, 1913, and Medical Department, 1911-13.

THOMAS CRAIG REDFERN. Clemson College, S. C.
S. B., Clemson College, 1912.

HORACE WITHERS REID. Danville, Ky.
A. B., Central University of Kentucky, 1911, and A. M., 1912.

FRED DAWSON REYNOLDS. Brundidge, Ala.
S. B., University of Alabama, 1912.

LAWRENCE REYNOLDS. Ozark, Ala.
A. B., University of Alabama, 1912.

FRANCIS EBRETT ROBERTS. Moundsville, W. Va.
A. B., Bethany College, 1912.

CHARLES EDWIN SEVIER. Brownsville, Tenn.
S. B., Vanderbilt University, 1912.

JOHN ALSTON SEVIER. Brownsville, Tenn.
S. B., Vanderbilt University, 1912.

DANIEL GLEN SMITH. Schenectady, N. Y.
S. B., Union College, 1912.

TAYLOR BIVENS SMITH. Caldwell, O.
A. B., Marietta College, 1912.

JAMES SPENCER SPEED. Roanoke, Va.
A. B., University of Virginia, 1912.

LAWRENCE EMERSON SPROUT. Picture Rocks, Pa.
S. B., Bucknell University, 1912.

WILLIAM STARR. Eau Claire, Wis.
A. B., University of Wisconsin, 1912.

RICHARD ERNEST STIFEL. Pittsburgh, Pa.
A. B., Harvard University, 1912.

JAMES KENT STODDARD. Mt. Holly, N. J.
A. B., Princeton University, 1912.

ALAN CALLENDER SUTTON. Baltimore.
A. B., Johns Hopkins University, 1912.

THOMAS LYNN SUTTON. Zanesville, O.
A. B., University of Michigan, 1912.

CHARLES ROBERTS THOMAS. Westminster.
A. B., Western Maryland College, 1911.

HENRY M. THOMAS, JR. Baltimore.
S. B., Haverford College, 1912.

JUNIUS ERNEST WARINNER, JR. Richmond, Va.
A. B., Richmond College, 1912.

ISABEL MARY WASON. Lowell, Ind.
A. B., The Western College for Women, 1911.

MAURICE CORNELIUS WENTZ. Lineboro.
S. B., Pennsylvania College, 1912.

THEODORA WHEELER. Fairfield, Conn.
A. B., Vassar College, 1911.

SAMUEL AUGUSTUS WHITE. Savannah, Ga.
S. B.. University of South Carolina. 1912.

GEORGE BERNAYS WISLOCKI. St. Louis, Mo.
A. B., Washington University (St. Louis), 1912.

HILDA WOOD. New York, N. Y.
A. B., Barnard College, 1909; A. M., Columbia University, 1910.

ERNEST LUDWIG ZIMMERMAN. New Bedford, Mass.
A. B., Dartmouth College, 1912.

Third Year

FRANK EARL ADAIR. Beverly, O.
A. B., Marietta College, 1910.

WILLIAM WILLIS ANDERSON. Danburg, Ga.
A. B., University of Georgia, 1911.

HARVEY MONTREVILLE ANDREW. Deer Lick, Pa.
S. B., Waynesburg College, 1911.

CHARLES ARMSTRONG. Alliance, O.
S. B., Mount Union College, 1910.

DANA WINSLOW ATCHLEY. Asbury Park, N. J.
S. B., University of Chicago, 1911.

JOHN AULL. Lexington, Mo.
A. B., University of Virginia, 1911.

ARTHUR MAYNARD BACON. Westminster.
A. B., Western Maryland College, 1911.

JOHN COOK BALDWIN. Brooklyn, N. Y.
S. B., Hamilton College, 1910; Graduate Student, University of Berlin, 1910-11.

ROGER PUTNAM BATCHELOR. Milwaukee, Wis.
A. B., University of Wisconsin, 1911.

HAROLD EDWARDS BATES. Portland, Ore.
A. B., University of Oregon, 1910.

LEO CHAPMAN BEAN. Gallipolis, O.
Ph. B., Ohio University, 1911.

LOUIS DE KEYSER BELDEN. Wilmington, N. C.
S. B., University of North Carolina, 1910, and Medical Department, 1911-1913.

GEORGE BRAUNLICH. Davenport, Ia.
Ph. B., University of Chicago, 1910.

SAM BROCK. Carrollton, Ga.
A. B., University of Georgia, 1911.

WALTER C. BURKETT. Kingman, Kans.
S. B., University of Chicago, 1911.

JAMES JULIAN CHISOLM. Natchez, Miss.
A. B., Princeton University, 1911.

FREDERICK CHRISTOPHER. Evanston, Ill.
S. B., Northwestern University, 1911.

ADMONT HALSEY CLARK. Miyazaki, Japan.
A. B., Oberlin College, 1910.

JEFFERSON HAMER CLARK, JR. Philadelphia, Pa.
A. B., Haverford College, 1911.

SAMUEL WALCOTT CLAUSEN. Canandaigua, N. Y.
A. B., Williams College, 1910; Graduate Student, Princeton University, 1910-11.

HARRY DUFFIELD CLOUGH. New Bedford, Mass.
A. B., Brown University, 1908, and A. M., 1911.

ALVA BROWN CRADDOCK. Jackson's Gap, Ala.
B. Sc., Howard College, 1908, and M. Sc., 1909, and Special Student, 1911.

RENA CRAWFORD. Columbus, Miss.
Ph. B., University of Chicago, 1903; A. M., Columbia University, 1910.

ROBERT SYDNEY CUNNINGHAM. Anderson, S. C.
S. B. and A. M., Davidson College, 1911.

ARTHUR BLISS DAYTON. Naugatuck, Conn.
Ph. B., Yale University, 1911.

BEECKMAN J. DELATOUR. Brooklyn, N. Y.
S. B., Amherst College, 1911.

WOODS FREDERICK DERR. Watsontown, Pa.
A. B., Bucknell University, 1911.

MARJORIE DIETZ. Hazleton, Pa.
A. B., Wellesley College, 1907.

DU MONT F. ELMENDORF. New Brunswick, N. J.
A. B., Rutgers College, 1911.

RUTH ELDRED FAIRBANK. Jacksonville, Ill.
A. B., Illinois College, 1911.

ROY EDWIN FALLAS. Los Angeles, Cal.
A. B., Leland Stanford Jr. University, 1911.

OTTO ALOIS FAUST. Schenectady, N. Y.
Ph. B., Union College, 1911.

HERBERT SPENCER GASSER. Platteville, Wis.
A. B. and A. M., University of Wisconsin, 1910 and 1911; Medical Department, 1909-1911; Assistant and Instructor in Physiology, *ibid.*, 1911-1913.

WILLIAM CARSON VON GLAHN. Wilmington, N. C.
S. B., Davidson College, 1911.

SAMUEL JAMES GLASS, JR. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1911.

WILLIAM MAYES GOBER, JR. Marietta, Ga.
A. B., University of Georgia, 1909.

CALVIN HOOKER GODDARD. Baltimore.
A. B., Johns Hopkins University, 1911.

LEWIS MULLER GRIFFITH. Columbia, S. C.
S. B., University of South Carolina, 1908.

ROY GRIFFITH. Bogart, Ga.
S. B., University of Georgia, 1911.

RUSSELL LANDRAM HADEN. Crozet, Va.
A. B., University of Virginia, 1910, and A. M., 1911.

WILLIAM MORRIS HAPP. Macon, Ga.
A. B., University of Georgia, 1911.

VERNON OFFUTT HEDDENS. St. Joseph, Mo.
A. B., University of Missouri, 1910.

FRANK M. HOUCK. Boiling Springs, Pa.
Ph. B., Dickinson College, 1910.

STEWART VERNON IRWIN. Oakland, Calif.
S. B., University of California, 1911.

MORRIS JOSEPH. Passaic, N. J.
S. B., New York University, 1911; Student, Bellevue Hospital Medical College, 1910-11.

MCDUGALD KEENER MCLEAN. Waco, Tex.
A. B., Southwestern University, 1908; Medical Department, Johns Hopkins University, 1909-10; B. Sc., Oxford University, England, 1913.

FLOYD WILCOX MACRAE, JR. Atlanta, Ga.
Ph. B., Yale University, 1911.

JAMES ROBERT MCVAY. Trenton, Mo.
A. B., University of Missouri, 1912, Medical Department, 1910-12, and Graduate Student, 1912-13.

LEE VICTOR MAHONEY. Portsmouth, Va.
A. B., Rock Hill College, 1911.

HERTEL PHILIP MAKEL. Baltimore.
A. B., Johns Hopkins University, 1911.

VERNE RHEEM MASON. Long Beach, Cal.
S. B., University of California, 1911.

KENNETH FULLER MAXCY. Baltimore.
A. B., George Washington University, 1911.

DAVID RALPH MELEN. Rochester, N. Y.
S. B., University of Rochester, 1911.

JAMES SAMUEL MITCHENER. Selma, N. C.
S. B., Davidson College, 1909; Medical Student, University of Maryland, 1909-11.

HAROLD SYDNEY MORGAN. San Diego, Cal.
A. B., Leland Stanford Jr. University, 1912, and Medical Department 1911-12.

JOHN GARDNER MURRAY, JR. Baltimore.
A. B., Johns Hopkins University, 1911.

HARVEY HUSTON MUSSER. Akron, O.
A. B., Johns Hopkins University, 1911.

THOMAS CHRISTIAN PEIGHTAL. Altoona, Pa.
Ph. B., Franklin and Marshall College, 1911.

GEORGE HEINRICHS PRESTON. Baltimore.
A. B., Johns Hopkins University, 1911.

MARY PUTNAM. New York, N. Y.
A. B., Bryn Mawr College, 1910.

GEORGE KREMER RHODES. Berkeley, Cal.
S. B., University of California, 1912, and Medical Department, 1911-12.

DAVIS NEEPER RICHARDS. Germontown, Pa.
A. B., University of Wooster, 1911.

ESTHER LORING RICHARDS. Sherborn, Mass.
A. B., Mt. Holyoke College, 1910; Medical Department, University of Wisconsin, 1910-13.

THOMAS MILTON RIVERS. Jonesboro, Ga.
A. B., Emory College, 1909; Medical Department, J. H. U., 1909-1911.

GILBERT WHITE ROSENTHAL. Baltimore.
A. B., Johns Hopkins University, 1910, and Graduate Student, 1910-11.

ADOLPH GEORGE SCHNACK. Honolulu, H. I.
A. B., Leland Stanford Jr. University, 1910; A. M., Yale University, 1911.

KATHARINE JULIA SCOTT. Pittsfield, N. H.
A. B., Wellesley College, 1910; Graduate Student, Radcliffe College, 1910-1911.

JUDD CAMPBELL SHELLITO. Independence, Ia.
S. B., Princeton University, 1911.

DONALD MARSH SHEWBROOKS. Holden, Mass.
A. B., Middlebury College, 1909.

HARVEY M. SLATER. Salem, Ore.
A. B., University of Oregon, 1911.

DANIEL CLARK WHARTON SMITH, 2D. Baltimore.
Ph. B., Yale University, 1911.

LUCIUS ERNEST SMITH. Lexington, Ky.
S. B., University of Kentucky, 1911.

L. HOWARD SMITH. Huron, S. Dak.
S. B., Huron College, 1910.

JOHN D. SOUTHWORTH. Glendale, O.
A. B., Kenyon College, 1911.

CHARLES MOORE STEELE. Chicago, Ill.
S. B., University of Chicago, 1904; Medical Department, University of Illinois, 1908-09; Summer Quarter, Chicago, 1909; Medical Department, Johns Hopkins University, 1909-10.

MARY HANNAH SWAN. Tecumseh, Mich.
A. B., Mt. Holyoke College, 1905; Woman's Med. Coll. of Penna., 1910-1912.

VIRGIL PRESTON WILLIS SYDENSTRICKER. West Point, Miss.
A. B., Washington and Lee University, 1910, and A. M., 1911.

BENJAMIN TAPPAN. Baltimore.
A. B., Johns Hopkins University, 1911.

WILLIAM CLARK THOMAS. Bartow, Ga.
A. B., Emory College, 1911.

DONALD VAUGHN TRUEBLOOD. Seattle, Wash.
A. B., University of Washington, 1911.

PRESTCOTT STEARNS TUCKER. Washington, D. C.
A. B., George Washington University, 1911.

JOHN CALVIN TURNER, JR. Camilla, Ga.
S. B., Davidson College, 1908; A. M., 1909; Graduate Student, Columbia University Summer School, 1910-11.

VICTOR ROLAND TURNER. Newark, O.
S. B., Denison University, 1909; A. M., Harvard University, 1911.

JOHN EDWARD WALKER. Alexander City, Ala.
S. B., Alabama Polytechnic Institute, 1910, and M. S., 1911.

CHARLES LUTHER WARNER. Baltimore.
A. B., Johns Hopkins University, 1911.

ROY GILLIAN WERNER. Columbus, O.
A. B., Ohio State University, 1909, and Graduate Student, 1909-10; Medical Student, University of Chicago, Summer, 1911.

LAWRENCE RICHARDSON WHARTON. Baltimore.
Ph. B., Hiram College, 1907; Graduate Student, Johns Hopkins University, 1910, and De Pauw University, 1911.

HENRY STAFFORD WHISMAN. Salinas, Cal.
S. B., University of California, 1911.

LOUIS HICKS WILLIAMS. Faison, N. C.
A. B., University of North Carolina, 1911.

EDWARD BLAINE WIX. New York, N. Y.
Ph. B., Yale University, 1911.

F. SIMON WOO. Chang Chow, China.
A. B., St. John's University, Shanghai, 1910; Graduate Student, Johns Hopkins University, 1910-11.

Fourth Year

GROVER A. BATTEN. Lost Creek, W. Va.
A. B., Washington and Lee University, 1908.

STANHOPE BAYNE-JONES. New Orleans, La.
A. B., Yale University, 1910; Medical Student, Tulane University, 1910-11; Summer Quarter, University of Chicago, 1911.

MABEL BELT. Baltimore.
A. B., Goucher College, 1910.

RALPH BOERNE BETTMAN. Chicago, Ill.
A. B., Williams College.

JULIUS BENJAMIN BOEHM. St. Louis, Mo.
S. B., St. Louis University, 1910.

KATE BRECKENRIDGE BOGLE. Danville, Ky.
A. B., Goucher College, 1909.

ERNEST SPEERS DU BRAY. Cincinnati, O.
A. B., University of Cincinnati, 1910.

NATHANIEL HAWLEY BRUSH. Towson.
A. B., Johns Hopkins University, 1909.

FRANCIS PATRICK CARROLL. Hartford, Conn.
S. B., Trinity College (Conn.), 1911.

DAVID WENDEL CARTER, JR. Georgetown, Tex.
A. B., Southwestern University, 1909, and A. M., 1910.

DOROTHY CHILD. Philadelphia, Pa.
A. B., Bryn Mawr College, 1910.

MILDRED CLARK. Brookline, Mass.
A. B., Wellesley College, 1910.

HOWARD SPENCER COLWELL. Auburn, N. Y.
S. B., Colgate University, 1910.

CHARLES EDWARD CONNOR. Terre Haute, Ind.
A. B. and A. M., Indiana University, 1910 and 1912; Indiana University School of Medicine, 1908-1910.

ROBERT HOPE CRAWFORD. Rock Hill, S. C.
S. B., Davidson College, 1910.

ISAAC DAVIS. Pittsburgh, Pa.
A. B., Harvard University, 1910.

RALPH MOORE DODSON. Baker City, Ore.
A. B., University of Oregon, 1910.

JOHN CALVERT DONALDSON. Philadelphia, Pa.
Ph. B., Yale University, 1910.

HARRY BRIGHT DORNBLASER. Springfield, O.
A. B., Wittenberg College, 1907, and A. M., 1910.

CHESTER ARTHUR DOWNS. Portland, Ore.
A. B., University of Oregon, 1910; Medical Student, Harvard, 1910-11.

EDMOND FREDERIC DUCASSE. Baltimore.
A. B., University of Washington, 1910.

WILLIAM CORE DUFFY. Kinston, N. C.
A. B., Wake Forest College, 1910.

JOHN BAXTER DUNCAN. Macon, Ga.
A. B., Mercer University, 1910.

GEORGE R. DUNN. Princeton, Minn.
Ph. B., Hamline University, 1910.

AVIS CHIPPEWA EATON. Princeton, Minn.
A. B., Wellesley College, 1909.

MARION W. EMRICK. Shamokin, Pa.
Ph. B., Franklin and Marshall College, 1910.

THOMAS SHEPHERD ENGLAR. Medford.
A. B., Western Maryland College, 1910; Medical Student, University of Wisconsin, 1910-11.

FRANK ALEXANDER EVANS. Wilkinsburg, Pa.
A. B., Washington and Jefferson College, 1910.

WALTER A. FANSLER. Sedalia, Mo.
A. B. and A. M., University of Missouri, 1911 and 1912, and Medical Department, 1909-10 and 1911 and 1912.

ALLEN GARTHWRIGHT FECHTIG. Wilmington, N. C.
A. B., University of the South, 1910; University of Virginia Summer School, 1911 and 1912, and Medical Department, 1910-1912.

JAMES GRANT FERGUSSON. Forfarshire, Scotland.
A. B., Leland Stanford Jr. University, 1908; Medical Student, University of St. Andrew (Scotland), 1910-1911; Medical Student, University of Munich, 1912-1913.

LEROY NEWTON FLEMING. Oxford, O.
A. B., Miami University, 1910.

MORRIS FLEXNER. Louisville, Ky.
A. B., University of Michigan, 1910.

MARY LOUISE FRAZEE. Pittsburgh, Pa.
A. B., Goucher College, 1908.

HAROLD BEARCE GARDNER. New Hampton, Ia.
S. B., Grinnell College, 1910.

FLOYD GRAVE. Monrovia, Ind.
S.B., Carleton College, 1908.

HUGH JOHNSON HAGAN. Roanoke, Va.
A. B., Washington and Lee University, 1910.

RAYMOND FISHER HAIN. Bernville, Pa.
S. B., Bucknell University, 1910.

RAYMOND CONFER HALL. Mill Hall, Pa.
S. B., Wesleyan University (Conn.), 1909.

HENRY HUNTON HAMPTON. Hill City, Tenn.
S. B., University of Tennessee, 1903.

BRYANT EUGENE HARRELL. Norfolk, Va.
A. B., Randolph-Macon College, 1907.

WALTER CLARK HAUPT. Baltimore.
Ph. D., Johns Hopkins University, 1908; Graduate Student, University of Michigan, 1910.

MARY ASHMUN HODGE. San Diego, Cal.
A. B., Leland Stanford Jr. University, 1908, and Graduate Student, 1909-10.

CHARLES WARREN HOOPER. Great Bend, Kans.
A. B., University of Kansas, 1911, and Medical Student, 1909-11.

LYMAN FOSTER HUFFMAN. Galion, O.
S. B., Ohio Wesleyan University, 1910.

JAMES ELDER HUTCHISON. Xenia, O.
A. B., Ohio State University, 1909; Graduate Student, Iowa State University, 1909-10.

RUTH INGRAHAM. Brooklyn, N. Y.
A. B., Vassar College, 1907; Graduate Student, Barnard College, 1909-10.

WILLIAM DAVID JACK. Peru, Neb.
A. B., Creighton University, 1908; Graduate Student, University of Chicago, 1909-10.

WALTER FALKE JONES. Utica, N. Y.
A. B., Hamilton College, 1908, and A. M., 1911.

WILLIAM SHIREY KEISTER. Roanoke, Va.
A. B., Roanoke College, 1907; A. M., 1909.

CLAUDE CURRIE KELLY. Valdosta, Ga.
S. B., Davidson College, 1909.

CLARENCE SEARLE KETCHAM. Newburgh, N. Y.
B. L., Rutgers College, 1910.

JOHN THEODORE KING, JR. Baltimore.
A. B., Princeton University, 1910.

LEIGH SEWARD KRAKE. West Point, Neb.
A. B., University of Nebraska, 1907.

CAROLINE MCGILL Lebanon, Mo.
A. B., University of Missouri, 1904, A. M., 1905, and Ph. D., 1908; University of Chicago, Summer, 1907; University of Berlin, 1909; University of Tübingen, 1910.

FLOYD AUGUST MARTIN. El Dorado Springs, Mo.
A. B. and A. M., University of Missouri, 1911 and 1912, and Medical Department, 1906-09.

NORMAN CLYDE MARVEL. Baltimore.
A. B., Johns Hopkins University, 1910.

JEROME MEYER. Uniontown, Ala.
S. B., University of Alabama, 1908; Medical Department, J. H. U., 1908-10.

ROSCOE E. MOSIMAN. Aberdeen, S. Dak.
S. B., Huron College, 1910.

ROBERT DAVIES MOYLE. Toronto, Canada.
A. B., McMaster University, 1908.

JOHN KELSO ORMOND. Princeton, N. J.
A. B., Princeton University, 1906.

JOHN SHAFER PLUMER. Emsworth, Pa.
S. B., University of Pittsburgh, 1909.

LESLIE HALL REDELINGS. Marinette, Wis.
S. B., Northwestern University, 1909, and M. S., 1910.

JOHN DAVIS REICHARD. Fairplay.
A. B., Trinity College (Conn.), 1910.

FERDINAND OSCAR W. REINHARD. Baltimore.
A. B., Johns Hopkins University, 1908.

AARON ROBINSON. Baltimore.
A. B., Johns Hopkins University, 1910.

ETHEL MAY ROCKWOOD. Townsend, Mass.
S. B., Simmons College, 1909.

ALMA SOPHIA ROTHHOLZ. Baltimore.
A. B., Smith College, 1910.

HARRY SALZSTEIN. Milwaukee, Wis.
Ph. B., Yale University, 1910.

JOHN JOSEPH S. SCHMITT. Brooklyn, N. Y.
A. B., St. John's College (Brooklyn), 1910.

JOHN HOLT SEWELL. Jacksboro, Tex.
E. E., University of Texas, 1908.

FLOYD ELMER SHAFFER. Lebanon, Pa.
A. B., Lebanon Valley College, 1910.

JOSEPH LESLIE SHERRICK. Monmouth, Ill.
A. B., Monmouth College, 1908; A. M., Yale University, 1910.

LEROY BRIGGS SHERRY. Pasadena, Cal.
A. B., University of Illinois, 1910.

RICHARD LEE SILVESTER. College Park.
S. B., Maryland Agricultural College, 1909, and Graduate Student, 1909-10.

LANDON ELWOOD STUBBS. Belroi, Va.
A. B., Randolph-Macon College, 1910.

HERBERT DOUGLAS TAYLOR. Baltimore.
A. B., St. John's College, 1910.

OTTO E. UTZINGER. Astoria, Ore.
A. B., Leland Stanford Jr. University, 1910.

JOSEPH STEPHENS VANNEMAN. Havre de Grace.
Ph. B., Dickinson College, 1910.

LAURIE VAN VALZAH. Springfield, Ore.
A. B., University of Oregon, 1910.

JOHN MANNING VENABLE. Chapel Hill, N. C.
A. B., University of North Carolina, 1910, and Medical Department, 1910-12.

SHELTON HUGHES WATKINS Owensboro, Ky.
A. B., Central University of Kentucky, 1908, and A. M., 1909 (one trimester only).

JOSEPH WEBB. Springfield, O.
A. B., Wittenberg College, 1910.

ROSCOE CLAYTON WEBB. Tracy, Minn.
A. B., University of Minnesota, 1911.

JEROME PIERCE WEBSTER. Plymouth, N. H.
A. B., Trinity College (Conn.), 1910.

HARRY EUGENE WILSON. Tilghmans.
A. B., St. John's College, 1910.

SYLVAIN BEER WOLFF. Washington, La.
S. B., Louisiana State University, 1910.

ALAN CHURCHILL WOODS. Baltimore.
A. B., Johns Hopkins University, 1910.

HERBERT MAXWELL NASH WYNNE. Bethany, W. Va.
S. B., Bethany College, 1906, and A. M., 1907; Graduate Student, Ohio State University, 1909.

ISADORE ZADEK. Montgomery, Ala.
S. B., Alabama Polytechnic Institute, 1910.

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SUMMARY

First year	93
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Geographical Distribution of Students Enrolled and Their Places of Graduation

Alabama	10	North Carolina	10
California	9	North Dakota	3
Connecticut	6	Ohio	25
Delaware	2	Oklahoma	1
District of Columbia	1	Oregon	9
Florida	1	Pennsylvania	39
Georgia	19	Porto Rico	1
Hawaiian Islands	2	Rhode Island	1
Illinois	11	South Carolina	8
Indiana	7	South Dakota	2
Iowa	5	Tennessee	3
Kansas	4	Texas	6
Kentucky	8	Utah	1
Louisiana	4	Virginia	16
Maryland (Baltimore, 42)	63	Washington	2
Massachusetts	14	West Virginia	5
Michigan	2	Wisconsin	5
Minnesota	4		
Mississippi	3	*Foreign*	
Missouri	8		
Nebraska	3	Canada	1
New Hampshire	2	China	1
New Jersey	11	Japan	1
New York	25	Scotland	1

Alabama Polytechnic Inst.	4	Central University (Ky.)	2
Alabama, University of	5	Chicago, University of	5
Allegheny College	3	Cincinnati, University of	2
Amherst College	1	Clemson College	2
Barnard College	2	Colgate University	2
Baylor University	2	Creighton University	1
Bethany College	2	Dartmouth College	3
Brown University	2	Davidson College	8
Bryn Mawr College	2	Dickinson College	3
Bucknell University	7	Earlham College	1
California, University of	6	Elon College	1
Carleton College	1	Emory College	3

Emory and Henry College	1
Franklin and Marshall Coll.	5
Furman University	1
Georgetown College (Ky)	1
Georgia, University of	8
George Washington Univ.	2
Goucher College	4
Grinnell College	1
Hamilton College	6
Hamline University	1
Harvard University	7
Haverford College	2
Hiram College	1
Howard College	1
Huron College	2
Illinois College	1
Illinois, University of	2
Indiana University	1
Iowa, University of	1
Johns Hopkins University	26
Kansas, University of	2
Kentucky State University	2
Kenyon College	4
Knox College	3
Lafayette College	4
Lake Forest University	1
Leland Stanford Jr. Univ.	6
Lebanon Valley College	1
Louisiana State University	3
Loyola College	2
Marietta College	2
Maryland Agricultural Coll.	2
McMaster University	1
Mercer University	2
Miami University	2
Michigan, University of	3
Middlebury College	1
Minnesota, University of	1
Missouri, University of	5
Monmouth College	2
Moore's Hill College	1
Mt. Holyoke College	3
Mt. Union College	1
Nebraska, University of	2
New York University	1
North Carolina, Univ. of	6
N. Dakota Agri. College	1
Northwestern University	2
Oberlin College	1
Ohio State University	3
Ohio University	2
Oklahoma, University of	1
Oregon, University of	7
Parson's College (Ia.)	1
Pennsylvania College	1
Pittsburgh, University of	4
Princeton University	13
Randolph-Macon College	3
Richmond College	1
Roanoke College	1
Rochester, University of	1
Rock Hill College	1
Rutgers College	2
Simmons College	1
Smith College	1
South Carolina, Univ. of	2
South, University of	1
Southwestern University	2
Southw'tn Presbyterian Univ.,	1
St. John's Coll. (Annapolis),	11
St. John's Coll. (Brooklyn)	1
St. John's Univ. (Shanghai),	1
St. Lawrence University	1
St. Louis University	1
St. Mary's Coll. (Kans.)	1
Syracuse University	1
Tennessee, University of	1
Texas, University of	2
Trinity College (Conn.)	5
Union College	4
Utah, University of	1
Vanderbilt University	2
Vassar College	6
Virginia Polytechnic Inst.	1
Virginia, University of	4
Wabash College	1
Wake Forest College	2
Washington, University of	3

Washgtn. Univ. (St. Louis),	1
Washington College.....	1
Washington & Jeffers'n Coll.,	5
Washington and Lee Univ...	9
Waynesburg College.....	1
Wellesley College.....	6
Wesleyan Univ. (Conn.)....	3
Wesleyan Univ. (Ohio).....	1
Western Coll. for Women....	1
Western Maryland College...	8
Williams College.....	4
Wilson College.....	1
Wisconsin, University of....	4
Wittenberg College.....	2
Wofford College.....	1
Wooster, University of.....	2
Yale University.....	7

PHYSICIANS ATTENDING GRADUATE COURSES DURING 1912-1913

BENJAMIN R. ALMQUEST. Pittsburgh, Pa.
M. D., University of Pittsburgh, 1910. *Genito-Urinary Diseases.*

OLIVER D. BARKER. Parkersburg, W. Va.
M. D., University of Cincinnati, 1904. *Genito-Urinary Diseases.*

GEORGE C. BATTLE. Rocky Mount, N. C.
M. D., University of Maryland, 1912. *Genito-Urinary Diseases.*

BI CU LI. Foo Chow, China.
M. D., Woman's Medical College (Phila.), 1905. *Gynecology and Medicine.*

EARL BIGHAM. Grand Rapids, Mich.
M. D., Rush Medical College, 1895. *Genito-Urinary Diseases.*

CECIL BLOCK. Dallas, Tex.
M. D., Baylor University, 1909. *Gynecol. and Surgical Pathology.*

ROBERT L. BONE. Madisonville, Ky.
M. D., Vanderbilt University, 1892. *Medicine.*

SELMAR BURCHART. Memphis, Tenn.
M. D., Washington University, 1909. *Genito-Urinary Diseases.*

FREDERICK W. CANE. Newmarket, Ont.
M. D., University of Toronto, 1887. *Medicine.*

ROBERT C. N. COOK. Boswell, Ind.
M. D., Indiana Medical College, 1897. *Genito-Urinary Surgery.*

BRANCH CRAIGE. El Paso, Tex.
M. D., University of Maryland, 1909. *Pediatrics.*

A. MELVILLE CRANE. Marion, O.
M. D., Columbus Medical College, 1880. *Medicine.*

HENRY H. GESSLER. Indiana, Pa.
M. D., Maryland Medical College, 1905. *Genito-Urinary Diseases.*

RALPH W. HISSEM. Wichita, Kans.
M. D., University of Kansas, 1911. *Genito-Urinary Surgery.*

EDWARD H. KELLEY. Dunmore, Pa.
M. D., Medico-Chirurgical College (Phila.), 1909. *Genito-Urinary Surgery.*

MERLE W. KING. Jamestown, N. Y.
A. B., Allegheny College, 1908. *Gross Anatomy and Bacteriology.*

FRED E. LEONARD. Oberlin, O.
M. D., College of Physicians and Surgeons (N. Y.), 1892. *Physiology.*

HOWARD D. LEWIS. Baltimore.
M. D., University of Maryland, 1900. *Medicine.*

WEBSTER B. MCPHERSON. Letohatchee, Ala.
M. D., Tulane University, 1911. *Genito-Urinary Diseases.*

DORRIS M. PRESSON. Philadelphia Pa.
M. D., Woman's Medical College (Phila.), 1911. *Medicine.*

HERBERT O. STATLER. Kalamazoo, Mich.
M. D., University of Michigan, 18--. *Medicine.*

LESLIE G. TAYLOR. Perryville.
M. D., Baltimore Medical College, 1895. *Medicine.*

HENRY J. WALTON. Baltimore.
M. D., Baltimore Medical College, 1905. *X-Ray Diagnosis.*

ARVID WISMARK. Philadelphia, Pa.
M. D., Hahnemann Medical College (Chicago), 1909. *Genito-Urinary Diseases.*

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PHYSICIANS ATTENDING SUMMER COURSES, 1913

JOSEPH AKERMAN. Wilmington, N. C.
M. D., Johns Hopkins University, 1900. *Genito-Urinary (B) and Gynecology V.*

ALBERT J. ARGALL. Denver, Colo.
M. D., University of Colorado, 1910. *Full Course.*

MAY D. BAKER. Washington, D. C.
M. D., Howard University, 1896. *Full Course.*

JOHN BENNETT. Friendly, W. Va.
M. D., University of Kentucky, 1910. *Full Course.*

EDWARD L. BOWLUS. Frederick.
M. D., University of Maryland, 1906. *Full Course.*

JULES M. BRADY. St. Louis, Mo.
M. D., St. Louis College P. and S., 1908. *Physiology and Clinical Microscopy.*

ALAN L. BRAMKAMP. Richmond, Ind.
M. D., Medical College of Ohio, 1899. *Full Course.*

ALBERT H. CARROLL. Baltimore.
M. D., University of Maryland, 1907. *Digestive Apparatus.*

OSCAR A. CARRUTH. Warren, Ark.
M. D., University of Nashville, 1902. *Full Course.*

HENRY F. CASSIDY. Baltimore.
M. D., University of Maryland, 1890. *Serum Diagnosis.*

JAMES W. CRANE. London, Ont.
M. B., Toronto University, 1898. *Physiology and Pharmacology.*

WILLIAM T. DAWE. Gonzales, Tex.
M. D., University of Texas, 1905. *Full Course.*

MARY R. FLEMING. Hillsdale.
M. D., Johns Hopkins University, 1912. *Serum Diagnosis.*

WILLIAM H. FOREMAN. Indianapolis, Ind.
M. D., Indiana Univ. School of Medicine, 1901. *Diseases of Digestion* and *Clinical Microscopy.*

JOHN E. FROOM. Boise, Idaho.
M. D., American Medical College, 1899. *Full Course.*

GEORGE B. FUNDENBERG. Pasadena, Cal.
M. D., University of Pennsylvania, 1887. *Full Course.*

CHARLES W. GARDNER. Bridgeport, Conn.
M. D., University of Maryland, 1901. *Full Course.*

E. ROY GARDNER. Pittsburgh, Pa.
M. D., University of Pennsylvania, 1895. *Full Course.*

MARK D. GODFREY. Columbus, O.
M. D., Starling Ohio Medical College, 1912. *Genito-Urinary Surgery* and *Clinical Microscopy.*

MAX GOLDMAN. Kansas City, Mo.
M. D., Kansas City Medical College, 1901. *Full Course.*

E. EDWARD GORMAN. Baltimore.
M. D., Atlantic Medical College, 1909. *Full Course.*

WILLIAM H. GRAHAM. S Charleston, O.
M. D., Eclectic Medical College, 1901. *Pediatrics and Percussion Auscultation.*

WILLIAM GREENFELD. Baltimore.
M. D., College of Physicians and Surgeons (Balt.), 1909. *Clinical Microscopy* and *Serum Diagnosis.*

ALBERT S. HAGOOD. Durant, Okla.
M. D., Memphis Hospital Medical College, 1904. *Full Course.*

LOUIS F. HAMRICK. Baltimore.
M. D., Baltimore Medical College, 1901. *Genito-Urinary Surgery.*

WILLIAM A. HENKE. LaCrosse, Wis.
M. D., University of Illinois, 1913. *Full Course.*

J. Carl Hornecker. Pittsburgh, Pa.
M. D., Hahnemann Medical College, 1899. *Genito-Urinary Surgery.*

Spencer Hough. Forest Glen.
M. D., Georgetown University, 1894. *Full Course.*

Grant Houston. Joliet, Ill.
M. D., Hahnemann Medical College (Chicago), 1894. *Full Course.*

John T. Hunn. Memphis, Tenn.
M. D., Louisville Medical College, 1894. *Surgical Diagnosis* and *Surgical Pathology.*

Harry Jarmulowsky. New York, N. Y.
M. D., University of Kiel (Germany), 1906. *Full Course.*

Harry G. Jones. Baltimore.
M. D., Southern Homeopathic Medical College, -1905. *Diseases of Circulation.*

James R. Kenton. Raymond, Ill.
M. D., Beaumont Hospital Medical College, 1900. *Full Course.*

Ralph N. Knowles. Hebron, Me.
M. D., University of Maryland, 1909. *Full Course.*

John C. Larkin. Hillsboro, O.
M. D., Medical College of Ohio, 1896. *Full Course.*

Thomas S. Lee. Washington, D. C.
M. D., Columbia University, 1894. *Diseases of Circulation.*

Zachariah F. Lillard. Houston, Texas.
M. D., Missouri Medical College (St. Louis), 1891. *Full Course.*

William C. Linville. Winston-Salem, N. C.
M. D., University of Maryland, 1903. *Diseases of Digestive Apparatus* and *Clinical Microscopy.*

G. Carroll Lockard. Baltimore.
M. D., University of Maryland, 1903. *Pediatrics.*

Alexander D. Louthan. Charlottesville, Va.
M. D., Richmond Medical College, 1905. *Full Course.*

Bartgis McGlone. Baltimore.
Ph. D., Johns Hopkins University, 1907. *Physiology.*

Stephen A. Mahady. Waterville, N. Y.
M. D., Baltimore Medical College, 1902. *Full Course.*

Harry W. Miller. Washington, D. C.
M. D., American Medical Missionary Coll. (Chicago), 1902. *Full Course.*

Thomas A. Miller. Bellevue, Pa.
M. D., University of Pennsylvania, 1899. *Full Course.*

J. Carroll Monmonier. Catonsville.
M. D., University of Maryland, 1897. *Diseases of Circulation.*

FRANKLIN E. MURPHY. Kansas City, Mo.
M. D., University of Pennsylvania, 1893. *Full Course.*

JOHN GARDNER MURRAY, JR. Baltimore.
A. B., Johns Hopkins University, 1911. *Pharmacology.*

HARVEY HUSTON MUSSER. Akron, O.
A. B., Johns Hopkins University, 1911. *Pharmacology.*

JOHN D. NESBITT Sycamore, Ill.
M. D., Northwestern Univ. Med. School, 1897. *Full Course.*

NEIL PALEN. Albany, N. Y.
M. D., Albany Medical College, 1909. *Full Course.*

P. STARR PELOUZE. Newark, N. J.
M. D., Jefferson Medical College, 1902. *Genito-Urinary Diseases.*

FREDERICK PAYNE PERKINS. Phoenix, Ariz.
M. D., Louisville Medical College, 1906. *Full Course.*

ROBERT L. RAMEY. El Paso, Texas.
M. D., University of Maryland, 1892. *Full Course.*

JOHN REITH. Walla Walla, Wash.
M. D., University of Oregon, 1911. *Full Course.*

JAMES S. RHODES. Williamston, N. C.
M. D., Medical College of Va. (Richmond), 1906). *Full Course.*

JOHN W. RILEY. Oklahoma City, Okla.
M. D., University of Buffalo, 1901. *Full Course.*

WILTON H. ROBINSON. Pittsburgh, Pa.
M. D., Western University of Penna., 1900. *Full Course.*

HARRY M. SIGAL. Pittsburgh, Pa.
M. D., University of Pittsburg, 1905. *Full Course.*

NATHANIEL L. SPENGLER. Donaldsonville, Ga.
M. D., University of Maryland, 1903. *Pediatrics.*

WILLIAM STEELE. Philadelphia, Pa.
M. D., Hahnemann Medical College, 1903. *Full Course.*

FREDERICK D. STRICKER. Grant's Pass, Ore.
M. D., Detroit College of Medicine, 1900. *Full Course.*

HORACE B. TITLOW. Baltimore.
M. D., University of Maryland, 1908. *Pediatrics.*

J. HARRY ULRICH. Baltimore.
M. D., Baltimore Medical College, 1897. *Digestion.*

CHARLES I. WALL. Raivelle, W. Va.
M. D., Maryland Medical College, 1903. *Gynecology I and II.*

WILLIAM B. WELCH. Wilmington, Ill.
M. D., Hahnemann Medical College (Chicago), 1906. *Full Course.*

SAMUEL M. WILSON. Petersburg, Va.

M. D., University College of Medicine (Richmond), 1907. *Pediatrics* and *Pharmacology.*

ROBERT P. WOODS. Altheimer, Ark.

M. D., Tulane University, 1904. *Medicine* and *Genito-Urinary Diseases.*

J. LEROY WRIGHT. Lauraville.

M. D., Baltimore Medical College, 1908. *Anaesthesia.*

AMELIA ZIMMERMAN. Baltimore.

M. D., Southern Homeopathic Medical College, 1895. *Full Course.*

GEORGE A. ZIMMERMAN. Harrisburg, Pa.

M. D., Baltimore Medical College, 1910. *Full Course.*

(70)

REGISTER OF GRADUATES OF THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY

A—List of Doctors of Medicine of the Johns Hopkins University

B—Places of residence of the Medical Graduates the Johns Hopkins University

C—Publications of the Instructors and Graduates of the Medical Department of the Johns Hopkins University

DOCTORS OF MEDICINE OF THE JOHNS HOPKINS UNIVERSITY

(When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.)
Students receiving degrees at other times than the regular June Commencement are placed in a separate group at the end of each class list.

1897

Charles Russell Bardeen, A. B., Harvard, 1892; Asst., Assoc., and Assoc. Prof. of Anatomy, 1897-04.—Prof. of Anatomy and Dean Med. Sch., Univ. of Wisconsin, Madison.

Thomas Richardson Brown, A. B., 1892; Resident House Officer, 1897-98.—Asst. Physician and Assoc. in Medicine; Assoc. Editor, Maryland Med. Journal; Physician, Baltimore.

*Walter S. Davis, S. B., Amherst, 1893; Resident House Officer, 1897-98.

Louis Philip Hamburger, A. B., 1893; Resident House Officer, 1897-98.—Assoc. and Phys. in Chg. Med. Clinic, J. H. Disp.; Attending Physician, Union Prot. Infirmary; Hebrew Hosp.; Hosp. for Women of Md.; Church Home and Infirmary; Children's Convales. Home and Physician, Baltimore.

Guy LeRoy Hunner, S. B., Wisconsin, 1893; Resident House Officer, Asst. Resident and Resident Gynecologist and Instr., 1897-02.—Associate in Gynecology; Physician, Baltimore.

Irving Phillips Lyon, A. B., Yale, 1893; Resident House Officer, 1897-98.—Lect. Clinical Med., and Librarian, Univ. of Buffalo; Asst. Attending Physician, Buffalo Gen'l Hosp., and Physician, Buffalo, N. Y.

William George MacCallum, A. B., Toronto, 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-00; Assoc. in Pathol. and Assoc. Prof. of Pathology, 1900-08; Prof. Path. Physiol., Lecturer in Forensic Med., 1908-09, and Resident Pathologist, 1900-09.—Visit'g Pathol., Presbyterian Hosp. and Prof. Pathol., Columbia, N. Y.

Charles Neil McBryde, S. B., South Carolina, 1891; M. S., Va. Polytech. Inst., 1892.—Senior Bacteriol., Biochem. Div., Dept. of Agriculture, Washington, D. C.

James Farnandis Mitchell, A. B., 1891; Resident House Officer, Asst. Resident and Resident Surgeon, and Instr. in Surgery, 1897-02.—Surg., Providence Hosp., and Surgeon, Washington, D. C.

Joseph Longworth Nichols, A. B., Harvard, 1893; Fellow in Pathol., 1897-98; Student, Berlin, 1898-99.—Asst. in Lab., Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B., 1893; Resident House Officer, Fellow, Asst. Instr. and Assoc. in Pathology, 1897-04; Member, Rockefeller Institute for Med. Research, N. Y.; Pathol, Presbyterian Hosp., C-editor, Jour Exp. Med., N. Y., 1904-10.—Professor of Pathol. and Dean, Washington Univ. Med. Sch., St. Louis.

Mary Secord Packard, A. B., Vassar, 1892; Harvard Summer Sch., 1893; Resident House Officer, 1897-1898; Physician, Kingsley, House (Coll. Settlement), Pittsburg, 1898-00; Pathologist, New Eng. Hosp., Boston-1902-03.—Rehoboth, Mass.

Omar Borton Pancoast, S. B., Swarthmore, 1893; Resident House Officer, 1897-98; Resident Surgeon, Union Prot. Infirmary, 1898-00.—Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Clement Andariese Penrose, A. B., 1893; Resident House Officer, 1897-98.—Member, Visit. Staff, Church Home and Infirmary, and Physician, Baltimore.

Richard Pearson Strong, Ph. B., Yale, 1893; Resident House Officer, 1897-98; Asst. Surg., U. S. Army, in charge Army Path. Lab., Manila, 1899-01; Chief Gov't Biol. Lab'y, U. S. A.; Phys. in Chief, Philippine Gen'l Hosp., and Prof. Tropical Med., The Philippine Med. Sch., Manila, 1901-13.—Prof. Tropical Medicine and Chief of Dept., Harvard Med. Sch., Boston. (15)

1898

William Stevenson Baer, A. B., 1894; Resident House Officer and Asst. Resident Surgeon, 1898-00; Asst., Instr. and Assoc. in Orthopedic Surgery, 1900-10.—Visiting Orthoped. Surg., Cambridge Hosp., Union Prot. Infirmary, Church Home, Robt. Garrett Hosp. for Children and Home for Incurables; Ortho. Surg.; Associate Professor of Orthopedic Surg.

William Jephtha Calvert, A. B., Kentucky, 1893; 1st Lieut. and Asst. Surgeon, U. S. A., Fort McHenry, 1898-02; Lecturer, Tropical Diseases, Washington Univ., St. Louis, 1902-03; Prof. Physical Diag. and Clin. Pathol., Univ. of Missouri, Columbia, 1903-09; Baylor University, Dallas,

Texas, 1910-11.—Prof. Preventive Medicine, U. of Mo., Columbia.

Patrick Joseph Cassidy, A. B., Yale, 1894; Asst. Resident Physician, Backus Hosp., 1898-99; Visit. Surg. Harris Mem. Hosp., 1899-06.—Visiting Pathol. and Surg., Backus Mem. Hosp.; Councilor Conn. State Med. Assn., and Physician, Norwich, Conn.

*John Williams Coe, Ph. B., Yale, 1893; Senior Asst. House Staff., Presbyterian Hosp., N. Y., 1898-1899, and Resident Physician, 1899-00.—Asst. Clin. Pathol., Cornell Univ., and Physician, N. Y. (Died at New York, March 6, 1911).

Percy Millard Dawson, A. B., 1894; Fellow, Asst. Instr., Assoc. and Assoc. Prof. of Physiology, 1898-09; Spec. Student, Harvard Divinity Sch., Cambridge, Mass., 1909-10; Minister, 1st Unitarian Church, Ann Arbor, Mich., 1910-12.—Instr. in Physiol., Univ. of Wis., Madison.

Arthur Wells Elting, A. B., Yale, 1894; Resident House Officer, 1898-99; Asst. in Pathol., Albany Med. Sch., 1899-00.—Surgeon, Child's Hosp., Surg., Albany Hosp.; St. Peter's Hosp. and Prof. of Surgery, Albany Med. Sch.; Surgeon, Albany.

William Webber Ford, A. B., Adelbert, 1893; D. P. H., McGill, 1900; Resident House Officer, 1898-99; Fellow, Pathol., McGill Univ., 1899-01; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-02, and J. H. U., 1902-03; Instr. and Assoc. in Bacteriol., 1903-06.—Assoc. Prof. of Hygiene and Bacteriology and Lecturer in Legal Medicine.

Thomas Wood Hastings A. B., 1894; Resident House Officer, 1898-99; Surgeon, Hospital Ship "Maine," 1899-00.—Prof. Clinical Pathol., Cornell Univ. Med. Coll.; Asst. Attend. Physician, Bellevue Hosp.; Physician, N. Y.

Alfred Birch Herrick, A. B., Williams, 1894; Res. House Officer, 1898-99; Res. Physician, National Soldiers' Home, 1899-00; Res. Surgeon, Barnes Hosp., Washington, D. C., 1900-04; Chief Surg. Clinic, Ancon Hosp., C. Z.

James Hall Mason Knox, Jr., A. B., Yale, 1892, and Ph. D., 1894, A. M., Lafayette, 1896; Res. House Officer, and Asst. and Instr. in Pediatrics, 1898-09.—Asst. Pediatrician and Assoc. in Pediatrics; Physician in Charge, The Thomas Wilson Sanitarium; Med. Direct. Babies Milk Fund Assn. and Physician, Baltimore.

Millard Langfeld, A. B., 1893.—Prof. Clin. Med., Creighton Med. Coll., Bacteriolog., Omaha City B'd Health; Physician, St. Joseph's and Contagious Hospitals, Member Omaha Milk Com.; Physician, Omaha, Neb.

Gertrude Underhill Light, S. B., Wisconsin, 1894; Physician, Randall's Island Hosp. for Children, N. Y., 1898-99; Demonstrator, Pathol., Wisconsin Coll. of P. and S., 1899-00; Clinical Asst., Bellevue Hosp. Disp., 1900-02.—Sanitary Inspector, Tenement House Dept., New York.

James Daniel Madison, S. B., Wisconsin, 1894; Resident House Officer, 1898-99; Asst. Resident Physician, Danvers Insane Hosp., Mass., 1899-02.—Visit'g Physician, Milwaukee Hosp., Johnson Emerg. and County Hospitals, and Physician, Milwaukee.

Harry Taylor Marshall, A. B., 1894; Resident House Officer, 1898-99; Fellow, 1899-00; Asst. Resident Pathologist, and Instr. in Pediatrics, 1900-06; Pathologist, Bureau of Science, and Prof. Pathol. and Bacteriol. Sec. and Registrar, The Philippine Med. Sch., Manila, 1906-08.—Prof. Pathol. and Bacteriol., Univ. of Va., Charlottesville.

Roger Griswold Perkins, A. B., Union, 1893, and Harvard, 1894; Resident Pathologist, Lakeside Hosp., Cleveland, 1898-01; Lect. in Bacteriol., West. Reserve Med. Sch., Cleveland, 1901-04; Asst. and Assoc. Prof. of Pathol. and Bacteriol., 1904-10; Prof. of Hygiene and Preventive Med., Cleveland.

Katherine Porter, A. B., Bryn Mawr, 1894; House Physician, and Asst. Surg., N. Y. Infirmary for Women and Children, 1898-04; Externe, Orange Memorial Hosp. Disp., 1900-07; Physician, Children's Aid and Protective Society of the Oranges; Med. Insp., Orange Public Schools and Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B., Yale, 1894; A. M., Harvard, 1901; Asst. Pathologist, City Hosp., Boston, 1898-00; Instr. Pathol., Harvard; Asst. Visiting Pathologist, City Hosp., and Asst. Pathologist, Children's Hosp., Boston, 1900-02.—Instr., Theory and Practice of Physic, Harvard; Asst. Visit'g Phys., Mass. Gen'l Hosp., Boston; Consult. Phys., Brockton Hosp. and Rufus S. Frost Hosp. of Chelsea; Boston.

Georgiana Sands, A. B., Vassar, 1893; Grad. Student, Barnard, 1893-94; Resident House Officer, 1898-99—Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B., Williams, 1894; Resident House Officer and Asst. Resident and Resident Gynecologist and Instr., 1898-03.—Jr. Attend. Gynecol., Harper Hosp., Consult. Obstet. Woman's Hosp., Assoc. Gynecol., Providence Hosp., and Physician, Detroit.

Walter Ralph Steiner, A. B., Yale, 1892, and A. M., 1895; Grad. Student, 1892-94; Resident House Officer, 1898-99; Asst. Visit'g Physician, Hartford Hosp., Conn., 1905-07; Pathologist and Bacteriologist, 1901-12; Consult. Path. and Bact. and Visit'g Physician, Hartford Hosp., Consult. Physician, Middlesex Hosp. and Hartford Orphan

Asylum; Sec. Conn. State Med. Soc., 1905-12; Sec'y, Cong. Amer. Physicians and Surgeons; Physician, Hartford.

Emma Elizabeth Walker, A. B., Smith, 1887.—Asst. Surg., Hosp. for Ruptured and Crippled; Member, N. Y. Co. and State Med. Soc., N. Y. Acad. of Md. Woman's Med. Assn., Women's Med. Soc. of N. Y. State, Amer. Soc. Sanitary and Moral Prophylaxis, and Physician, New York.

*Andrew Henderson Whitridge, S. B., Harvard, 1894; Resident House Officer, 1898-99.—Physician, Baltimore. (Died, March 19, 1912.) (22)

1899

Edward Erle Brownell, Ph. B., Yale, 1895; Resident House Officer, 1899-00.—San Francisco.

Humphrey Warren Buckler, A. B., 1895; Resident House Officer and Asst. in Obstetrics, 1899-06; Member, State Tuberculosis Comm.; Attend. Physician Md. Hosp. for Consumptives; Supt., Dr. H. A. Kelly's Private Hosp., and Physician, Baltimore.

Rufus Ivory Cole, S. B., Michigan, 1896; Resident House Officer, Asst. Resident, Resident Physician, and Med. Adviser to Med. Students, 1899-1907; Assist. Physician; Assoc. in Med. in Chg. Biol. Div. of Med. Clinic, 1907-09.—Med. Director, Rockefeller Hospital, N. Y.

John Staige Davis, Ph. B., Yale, 1895; Resident House Officer, 1899-00; Resident Physician, Union Protestant Infirmary, 1900-03.—Asst. Surgeon and Instr. in Surg., Surgeon, Baltimore.

Charles Phillips Emerson, A. B., Amherst, 1894; Resident House Officer; Instructor in Med. and Asst. Resident Physician in chg. of Clinical Lab., 1899-05; Res. Physician; Medical Adviser to Students and Associate in Medicine, 1905-08; Supt. Clifton Spgs. Sanitarium, N. Y., 1908-1911. —Dean and Prof. of Medicine, Indiana University Sch. of Med., Indianapolis.

Blanch Nettleton Epler, S. B., California, 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899-00.—City Bacteriol. and Exam. for State Sanatorium for Tuberculosis; Instr. Anat. West State Normal, and Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B., California, 1895; Resident House Officer; Fellow in Pathol.; Asst., Instr., Assoc. and Assoc. Prof. of Physiology, 1899-06; Prof. of Physiology, Univ. of Wisconsin, Madison, 1906-10.—Prof. of Physiology, Washington Univ., St. Louis.

Philip Saffery Evans, Jr., A. B., Yale, 1895; Intercollegiate Sec., Y. M. C. A., Balt., 1899-00; Clinical Asst. in Surgery, 1900-01; Medical Missionary, Yang Chow, China, 1901-11.—Prof. Pathol., Med. Dept., Univ. Nanking, Nanking China.

Richard Holden Follis, Ph. B., Yale, 1895; Externe; Asst. Resident Surgeon, Resident Surgeon and Inst. in Surgery, 1899-05.—Assoc. in Surgery; Surgeon, Baltimore.

Frank Taylor Fulton, S. B., Knox, 1894; A. B., 1895; Pathol. Interne, City Hosp., Boston, 1899-00; Pathologist and Director Pathol. Lab., R. I. Hosp., 1900-09.—Visit. Phys. R. I. Hosp. and Providence City Hosp., Consult. to Pawtucket Mem. Hosp. and Woonsocket Hosp., and Physician, Providence.

*James Daton Gallagher, A. B., 1895; Physician, Private Wards, Lakeside Hosp., Cleveland, O., 1899-00.

Henry Harris, A. B., Stanford, 1895; Resident House Officer, 1899-00. Instr. Princ. and Prac. of Med. and Visiting Physician, Hebrew Orphan Asylum, Cal., Women's Hosp. and Mt. Zion Hosp. and Physician, San Francisco.

Henry Joseph Hoye, A. B., Brown, 1895; Surg. Interne, and House Surg., City Hosp., Boston, 1899-01.—Asst. Visit. Surg., R. I. Hosp.; Physician, Providence.

Louis Williams Ladd, A. B., Yale, 1895; Acting Asst. Resident Physician, 1899-00; Resident Physician, Lakeside Hosp., 1900-01.—Lecturer Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp., Cleveland.

Charles Sumner Little, A. B., Wabash, 1894, and A. M., 1903; Assoc. in Pathol., Central Coll. of P. and S., Indianapolis, 1903-05; Lect. Pathol., Clin. Med., Purdue Univ.; Pathologist, City Hosp. and Physician to Day Nursery, Indianapolis, Ind., 1905-07. —Petersburg, Ind.

John Arthur Luetscher, S. B., Wisconsin, 1895; Resident House Officer, 1899-00; House Physician, City Hosp., Boston, 1900-01; Asst. and Instr. in Medicine, 1905-13. — Asst. Physician and Assoc. in Medicine, and Physician, Baltimore.

Frank Allemong Lupton, S. B., Ala. Polytech. 1891, and M. S., 1892; Grad. Student, 1893 - 94. — Member, Committee of Health, Jefferson Co.; Prof. of Obstetrics, Birmingham Med. Coll., and Obstetrician, Hillman Hospital, Birmingham, Ala.

Frank Worthington Lynch, A. B., Adelbert, 1895; Asst. Resident and Resident Obstetrician; Chief of Obstet. Clinic, and Assoc. in Obstetrics, 1899-03.—Asst. Prof. of Obstetrics and Gynecology, Rush Med. Coll.; Attend. Obstet. and Gynecol., Presbyterian Hosp.; Visit'g Obstet., St. Joseph's Hosp.; Editor, Chicago Gyne. Soc., Chicago.

Chester Lea Magee, A. B., Stanford,

1895, and A. M., 1896; Asst. Resident Physician, City Detention Hosp., Balt., 1899-00; Instr. San Diego Training Sch. for Nurses, 1900-02; Asst. Surg. Santa Fe R. R., 1903-12; Assoc. in Physiol., Coll. P. and S., 1907-08.—Physician, Los Angeles.

Hugh Miller Moore, B. Sc., and M. Sc., Miami, 1895.—Member, Amer. Acad. Med. and Physician, Oxford, O.

*Charles Williams Ottley, A. B., Princeton, 1893 and A. M., 1903; Traveling Secy. Student Volunteer Movement for Foreign Missions, N. Y., 1899-00; House Physician, Blackwell's Island, Dept. of Charities, N. Y., 1900-01; Prof. Biology, and College Physician, Robert Coll., Constantinople, 1901-04; Physician and Surg., Anatolia Coll., Hosp., Marsovan, Turkey, 1904-05; Student, Vienna and Berlin, 1905-06.—Physician, Atlanta, Ga., 1906-07.

Paul Octavius Owsley, Ph. B., Yale, 1895; Asst. Resident Surgeon, St. Joseph's Hosp., Balt., 1899-01.—Instr. Clin. Gynecology, N. W. Med. School; Attending Surg. Cook Co. Hosp., and Physician, Evanston, Ill.

Jacob Hall Pleasants, A. B., 1895; Resident House Officer, 1899-00; Asst. in Med., 1901-06.—Assoc. Prof. Clin. Medicine, Coll. P. and S. Balt.; Pres't. Dept. Charities and Corrections; Asst. Physician, and Instructor in Medicine; Physician, Baltimore.

Sylvan Rosenheim, A. B., 1895; Asst. and Clinical Asst. in Laryngology, 1903-07.—Laryngologist, Hebrew, Eudowood, and Jewish Hospitals for Consumptives; Aural Surg., Balt. Eye, Ear and Throat Charity Hosp.; Physician, Baltimore.

John Albertson Sampson, A. B., Williams, 1895; Resident House Officer, 1899-00; Asst. Resident and Resident Gynecologist, and Asst. in Gynecol., 1900-04.—Gynecol, Albany Hosp. and So. End Disp., and Prof. Gynecol., Albany Med. Sch., and Physician, Albany, N. Y.

Halbert Severin Steensland, S. B., Wisconsin, 1895; Pathol. House Officer, City Hosp., Boston, 1899-00; Lect., Pathol. and Bact. and Director Path. Lab., Syracuse Univ., and Assoc. Prof. and Director, 1900-08; Prof. Pathol. and Bact., and Director, Pathol. Lab., 1908-12.—Pathol., St. Joseph's Hosp., Good Shepherd, and Syracuse Free Disp.; Prof. Pathol. and Dir. Path. Laby., Syracuse Univ., Syracuse, N. Y.

William Ridgely Stone, A. B., Princeton, 1895; Interne, Blackwell's Island, Dept. of Charities, N. Y. City, 1899-00.—Asst. Visiting Obstetrician, Maternity Hosp., Blackwell's Island, and Physician, New York.

Edgar Randolph Strobel, A. B., 1895; Externe, 1899-00; Clinical Prof. Dermatology, Balt. Med. Coll.; Instr. and Asst. in Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B., Yale, 1895; A. M., Harvard, 1902; Externe; Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp., 1899-00; Asst. in Path., Harvard Med. Sch., 1900-02; Asst. Ophthal. Surg., Carney Hosp., 1902-06.—Pathologist and Ophthal. Surg., Mass. Charitable Eye and Ear Infirmary; Instr., Ophthalmic Pathol., Harvard, and Physician, Boston.

William Whitridge Williams, A. B., 1895; Resident Physician, St. Joseph's Hosp., Balt., 1899-00; Asst. Univ. of Prague, 1900-01; Asst. Pathol., Harvard, 1901-03; Graduate Asst., Out-Patient Dept., Mass. Gen'l Hosp., 1903-05; Asst. in Pharmacol., West Reserve Univ., Cleveland, 1905-08; Director, Webb Tuberculosis Research Lab., Colorado Springs, 1908-11.—Consult., Cragmor Sanitorium, Colorado Springs.

Sarah Delia Wyckoff, S. B., Wellesley, 1894; Resident House Officer, 1899-00.—Attend. Physician, State Disp. for Tuberculosis; Lect., Domestic Science and Hygiene, High School; Med. Exam., Wyoming Seminary, and Physician, Wilkes-Barre, Pa.

John Lawrence Yates, Ph. B., Yale, 1894; S. B., Wisconsin, 1895; Resident House Officer, Asst. Resident Surgeon, and Asst. in Pathol., 1899-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Pathologist, and Chief Surg. Asst., Augustana Hosp., Chicago, 1904-06.—Surgeon, Milwaukee.

Frank Curtiss Davis, A. B., Amherst, 1895.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.) (33)

1900

Joseph Akerman, A. B., Georgia, 1894, and Grad. Student, 1895-96; Resident Physician and Surgeon, Presbyterian Hosp., Philadelphia, 1900-02; Supt., Walker Memorial Hosp., Wilmington, N. C., 1902-06.—Surgeon, Wilmington, N. C.

Herbert Williams Allen, S. B., California, 1896; Resident House Officer, 1900-01; Resident Physician, Lakeside Hosp., Cleveland, 1901-02.—Instr. in Med., Med. Dept. Univ. of Calif., and Physician, San Francisco.

Mabel Fletcher Austin (Mrs. E. E. Southard), S. B., Minnesota, 1893; Pathologist and Interne, City and County Hosp., St. Paul, 1900-02); Pathologist, New England Hosp., Boston, 1903-06; Assoc. Prof. Hygiene, and Med. Director, Wellesley Coll., 1906-08.—Cambridge, Mass.

Alma Emerson Beale, A. B., Wellesley,

1891; Marine Biological Lab., 1893; Externe, 1900-01; Resident Physician, Evening Disp. for Working Women and Girls, Balt., 1900-01; Interne, N. Y. Infirmary for Women and Children, 1901-02; Health Officer and Physician, Schaghticoke, N. Y., 1902-12.—Physician, Henry Watson Children's Aid Soc., Baltimore.

*Milton Bettmann, A. B., Harvard, 1897; Resident House Officer, 1900-01; Student, Univ. of Berlin, 1901-02.

Evelyn Briggs, A. B., Stanford, 1896.—Sacramento, Cal.

Lawrason Brown, A. B., 1895; Resident Physician, Adirondacks Cottage Sanitarium, 1900-12; Attend. Physician, 1912.—Physician, Saranac Lake, N. Y.

Herman Brülle, A. B., and S. B., Hampden-Sidney, 1895; Grad. Student, 1895-96; Externe, 1900-01.—Medical Agent, City Charities and Physician, Baltimore.

Curtis Field Burnam, A. B., Central Univ., Ky., 1895; Grad. Student, 1895-96; Resident House Officer, Asst. Resident and Resident Gynecologist, 1900-04.—Assoc. in Gynecology; Surg. in Chief, Cambridge Hosp., and Physician, Baltimore.

Arthur Smith Chittenden, A. B., Yale, 1896, and A. M., 1899; House Surgeon, N. Y. Hosp., 1900-02.—Asst. in Path., Columbia, 1903-04; Visiting Pathologist, Lincoln Hosp., 1904-05.—Surg., Binghampton Hosp. and Physician Binghampton, N. Y.

Henry Asbury Christian, A. B. and A. M., Randolph-Macon, 1895, and Grad. Student, 1895-96; A. M., Harvard, 1903; Asst. Pathol., City Hosp., Boston, 1900-02; Instructor., Pathol., Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp., Boston, 1902-05; Asst. Visiting Physician, L. I. Hosp., 1905; Physician in chief, Carney Hosp., Boston, 1907-12; Dean, Faculty of Med. and Medical School, Harvard, 1908-12.—Hersey Prof. Theory and Practice of Physic, Harvard; Physician in chief, Peter Bent Bingham Hosp., and Physician, Boston.

William Remshart Dancy, S. B., Georgia, 1896; House Physician (1900-01) and Surgeon, Seney M. E. Hosp., Brooklyn, N. Y., 1901-02; Grad. Student, Universities Berlin and Vienna, 1902-03; Res. Supt., Savannah Hosp., 1903-04.—Inst'r. Savannah Hosp. Tr. Sch. for Nurses and Telfair Hosp. Tr. Sch.; Member Attend. Staff, Savannah Hosp., Member Board Sanitary Commissioners, and Physician, Savannah, Ga.

Augustus Hartje Eggers, Ph. B., Yale, 1896.—Physician, Pittsburg, Pa.

Henry Courtney Evans, A. B., Adelbert, 1896; Interne, Western Penna. Hosp., Pittsburg, 1901-02.—Physician, Youngstown, O.

Rose Fairbank (Mrs. Rose Fairbank Beals), A. B., Smith, 1895.—Asst. Resident Physician, Hosp. Union Missionary Society, Jhansi, India, 1901-05.—Physician, Amer. Morathi Mission Hosp., Wai, India.

Clarence B. Farrar, A. B., Harvard, 1896; Grad. Student, Heidelberg, 1902-04; Research Asst., Carnegie Inst. of Wash., 1904-06; Instr. in Psychiatry, 1906-08; Asst. Physician and Director, Laboratory, Sheppard and Pratt Hosp., Towson; Visit'g Physician, City Detention Hosp., Bay View; Asst. Neurol. and Assoc. in Psychiatry, 1908-13. — Asst. Phys., State Hosp. Trenton, N. J.

Arthur Lawrence Fisher, S. B., California, 1896; Resident House Officer, 1900-01; Fellow, Rockefeller Inst for Med. Research, 1901-02; Asst. Visiting Surg., Mt. Zion Hosp., 1902-08.—Physician, San Francisco.

William Alexander Fisher, Jr., A. B., Princeton, 1896; Resident House Officer, 1900-01; Res. Physician, Union Protestant Infirmary, Balt., 1901-02.—Visit. Surg., U. P. I.; Instr. in Surg., and Surgeon, Baltimore.

Howard Fletcher, A. B., Randolph-Macon, 1895, and Grad. Student, 1895-96.—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B., Chicago, 1895; A. M., Princeton, 1900, and Yale, 1907; Assoc., Univ. of Chicago, 1900-01; Prof. Anatomy, Univ. of California, 1901-07.—Prof. Surg., Yale Univ., New Haven, Conn.

William Patrick Healy, Ph. B., Yale, 1896; Interne, N. Y. City Hosp., 1900-02; Gynecol. Interne, Roosevelt Hosp., N. Y., 1902-03; Asst. Gynecol., Vanderbilt Clinic and Clin. Instr. Gynecology, Coll. P. and S. (N. Y.), 1903-08.—Asst. Surg., Fordham Hosp. and J. Hood Wright Hosp.; Jr. Gynecol., Roosevelt Hosp., Attend Gynecol. Misericordia Hosp.; Dean and Prof. Gynecol., Fordham Univ. Sch. of Med., N. Y.

*William Faithful Hendrickson, A. B., 1896; Asst. Demonstrator Pathol., Univ. of Pennsylvania, 1900-02.

Albion Walter Hewlett, S. B., California, 1895; House Physician, N. Y. Hosp., 1900-02; Asst. Prof. Princ. and Pract. of Med., Cooper Med. Coll., San Francisco, 1906-08.—Prof. Int. Med. and Director of Clin. Lab., Univ. of Mich., Ann Arbor.

William Crissey Kellog, A. B., Yale, 1896; Resident Physician, Soldiers' Home, Washington, 1900-01.—Clin. Prof. Eye, Ear, Nose and Throat, Univ. of Georgia; and Physician, Augusta, Georgia.

Preston Keys, A. B., Bowdoin, 1896, and A. M., 1900.—Asst. Prof. Preventive Med., Univ. of Chicago.

*Leona Lebus, S. B., Wellesley, 1889.—Los Angeles, Cal. (Died, November 20, 1908.)

Warren Harmon Lewis, S. B., Michigan, 1894, and Asst., 1894-96; Asst.

Instr., Assoc. and Assoc. Prof. in Anat., 1900-13.—Prof. of Physiological Anatomy.

Harry Wilson Little, S. B., Wabash, 1896, A. M., 1905; House Physician, Maternity, City and Epileptic Hosps., Blackwell's Island, N. Y., 1901-03.—Pres. and G. M. the S. W. Little Coal Co., Evansville, Indiana.

Ellen Louise Lowell (Mrs. A. D. Stevens), A. B., Stanford, 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-02; Asst. Gen'l Med. Clinic, Presbyterian Hosp. Disp., 1902-03; Asst. Babies' Hosp. Disp., Chief of Children's Clinic, Harlem Hosp. Out-Patient Dept., N. Y., 1903-04. — Physician, Jacksonville, Fla.

*John Bruce MacCallum, A. B., Toronto, 1896; Asst. in Anatomy, 1900-02.—Asst. Prof. Physiology, Univ. of California, Berkeley, 1902-06.

Mary Wilbur Marvell, S. B., Wellesley, 1894; Interne, New England Hosp., Roxbury, 1900-01.—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B., Barnard, 1896; Grad. Student, 1900-01; Research Scholar, Rockefeller Inst. for Medical Research; Ophthalmologist, Harlem Hosp. Disp., 1901-03.—Clin. Asst. and Asst. Surg., N. Y. Eye and Ear Infirmary, 1901-11.—Ophthalmologist, N. Y. Infirmary for Women and Children, and Physician, N. Y.

Clelia Duel Mosher, A. B., Stanford, 1893 and A. M., 1894; Asst. and Instr., Hygiene, Stanford Univ., 1893-96; Gynecological Asst., Dr. Kelly's Sanitarium, Baltimore, and Externe, 1900-01; Spec. Asst. Palo Alto Board of Health for Study of Typhoid fever epidemic of April, 1903.—Asst. Prof. and Dir. Women's Gymn. and Asst. Prof. Personal Hygiene, Stanford Univ., and Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B., Smith, 1896; Interne, New England Hosp., Roxbury, 1900-01.—Asst. Res. Physician, N. E. Hosp. for Women and Children, and Physician, Boston.

*Edward Spiller Oliver, A. B., 1895; Physician, Saranac Lake, N. Y., 1900-02.

Richard Foster Rand, Ph. B., Yale, 1895, and Grad. Student, 1895-96; Resident House Officer, 1900-01; Resident Surgeon, Parker Hosp., Univ. of Missouri, Columbia, 1901-02.—Asst. Surg'l and Gynecol. Clinics, Yale Univ.; Asst. Obstet., New Haven Hosp., and Physician, New Haven, Conn.

Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith, 1895; Grad. Student, Mass. Inst. of Tech., 1895-96; Resident House Officer, and Fellow in Pathol., 1900-02; Resident Physician, Babies' Hosp., N. Y., 1902-06.—Madison, Wis.

Glanville Yeisley Rusk, A. B., 1896; Resident House Officer, 1900-01; Asst. Physician, in Sheppard and Pratt Hosp., Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-03; Path. Institute, Ward's Island, N. Y., 1903-10.—Asst. Prof. Pathol., Univ. of Calif., Berkeley.

Florence Rena Sabin, S. B., Smith, 1893, Sc. D., 1910, and Asst. in Zoölogy, 1895-96; Resident House Officer, 1900-01; Holder Women's Fellowship in Anatomy, 1901-02; Asst. Instr. and Assoc. in Anatomy, 1902-05.—Co-Editor, Anatomical Record and Assoc. Prof. of Anatomy.

William Francis Mattingly Sowers, A. B., Princeton, 1896; Resident House Officer, Asst. Resident, Resident Surgeon; Assistant and Instr., 1900-07.—Assoc. in Surg., George Washington Univ., Surgeon, Washington, D. C.

Ellen Appleton Stone, A. B., Radcliffe, 1895; A. M., Browne, 1896; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1901-02; Res. Physician, Children's Hosp., Buffalo, N. Y., 1902-03; Physician, Med. Out-Pat. Dept. for Children, R. I. Hosp., 1906-12.—Supt., Child Hygiene, Health Dept., and Physician, Providence.

Mortimer Warren, A. B., Bowdoin, 1896; Externe, City Hosp., Boston, 1900-01.—Director, Pathol. Lab., Roosevelt Hosp., and Physician, New York.

Paul Gerhart Wooley, S. B., Chicago, 1896; Resident House Officer, 1900-01; Fellow in Pathol., McGill Univ., Montreal, 1901-02; Pathol. Biol. Lab. and Director, Gov't Serum Lab., U. S. A., Manila, 1902-06; Chief, Siamese Gov't Serum Lab., Phrapatoom, Siam, 1906-07; Chief Inspr. Health and Med. Adviser, Dept. Interior, Bangkok, 1907-08; Assoc. Prof. Path. Anat. Univ. of Nebraska, Omaha, 1908-09.—Director Laboratories, Cincinnati Hosp., and Prof. Pathol. Univ. of Cincinnati, O. (44)

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*Alexander Montague Atherton, A. B., Wesleyan (Conn.), 1897; Resident Physician, Charity Hosp., Blackwell's Island, N. Y., 1901-02. (Died at Liberty, N. Y., Aug. 28, 1903.)

Frederick Henry Baetjer, A. B, 1897; Resident House Officer, 1901-02.—Assoc. in Surgery in charge of Actinographic Dept., and Physician, Balt.

William Dwight Baldwin, A. B., Yale, 1897; Clinical Asst. in Medicine, 1901-02; House Physician, St. Luke's Hosp., N. Y., 1903-04.—Physician, Honolulu, Hawaii.

John McWilliams Berry, S. B., Cornell, 1897; Resident House Officer, 1901-02.—Orthoped. Surg. and Radiographer, Albany Hosp., Lecturer and Radiography, Albany Med. Coll., and Physician, Albany, N. Y.

Walter Herbert Blakeslee, A. B., Amherst, 1897, and A. M., 1903; Ph. D., Penna., 1913; Asst. Resident

Physician, N. Y. Lying-in Hospital (6 months); Asst. Med. Examiner, Penna. R. R. Relief Dept., Philadelphia, 1902-08; Resident, Episcopal Hosp., Philadelphia, 1908-09.—Physician, Philadelphia.

Horace Deschamps Bloombergh, A. B., Lafayette, 1897; First Lieut. Med. Corps, U. S. A., 1901-06; Capt. and Major, Med. Corps, U. S. A., 1907-11. —Member U. S. Army Board for Study of Trop. Diseases, Manila, P. I.

Thomas Richmond Boggs, S. B., Univ. of Georgia, 1896, and Grad. Student, 1896-97; Resident House Officer and Acting Asst. Resident Physician. 1901-03; Asst. in Med. and Asst. Resident Physician in charge Med. Bact. Lab., Asst. Resident Physician in charge Clin. Laby., 1904-08; Assoc. in Medicine, Res. Physician and Med. Adviser to Students, 1908-11.—Assoc. Prof. Med. and Phys. in Chief, City Hosp., Bay View.

John Robert Bosley, A. B., Western Md., 1896, and A. M., 1901; Grad. Student, 1896-97.—Capt. Med. Corps, U. S. A., Fort H. G. Wright, N. Y.

Charles Henry Bunting, S. B., Wisconsin, 1896, and Fellow, 1896-97; Resident House Officer, 1901-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Instr. in Pathol., 1903-04; Pathologist, Bay View Hosp.; Asst. Resident Pathologist and Associate in Pathology, 1904-06; Prof. Pathol. and Pathologist, Univ. Hosp., Univ. of Va., Charlottesville, 1906-08.—Prof. Pathol., Univ. Wisconsin, Madison.

Joel Ives Butler, Ph. D., Yale, 1897; Acting Resident House Officer, 1901-02; Externe, Surg., Path. and Asst. in Anatomy, 1902-03; Clinical Asst. G.-U. Surg., 1903-04; House Surg., Mass. Gen'l Hosp., Boston, 1904-05; Instr. in Surg., Yale Med. Sch.; Asst. Surg., New Haven Hosp., 1905-11.—Attend. Surg. and Manager, Rodgers Hosp., Tucson, Ariz.

Harry Wardell Carey, A. B., Yale, 1897; Asst. Pathol., Bender Hygienic Lab., Albany, 1901-03; Instructor, Physiol. Chem., 1908, and Physical Diag., Albany Med. School, 1909-11.—Attend. Physician, Samaritan Hosp., Director, Cluett Path. Lab., Physician in chg. Lakeview Sanitorium and City Bacteriologist, Troy, N. Y.

Eleanor Sarah Chace (Mrs. Edward Herbert), S. B., Wellesley, 1894, Interne, Worcester Memorial Hosp., 1902.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B., Alabama, 1896; Grad. Student. 1896-97.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B., Williams, 1897.—Neurol. Children's Free Hosp. and St. Mary's Hosp., and Neurologist, Detroit, Mich.

Ray Connor, A. B., Williams, 1897; House Surgeon, Manhattan Eye and Ear Hosp., N. Y., 1902-03.—Ophthalmologist and Otologist, Children's Free Hosp.; Clin. Prof. Ophthalmol. and Otology, Detroit Coll. of Med., and Physician, Detroit, Mich.

George Silas Drake, Jr., A. B., Yale, 1897, Resident Physician, Union Protestant Infirmary Balt., 1902-05; Assoc. Surg., St. Louis Free Skin and Cancer Hosp., 1905-09.—Surg. in chief, Social Service Hosp., and Surgeon, St. Louis.

Adelaide Dutcher, S. B., Wisconsin, 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B., Minnesota, 1895; Resident House Officer, and Clinical Asst. Genito-Urinary Diseases, 1901-03.—Assoc. Skin and Venereal Diseases, Eastern Disp. and Casualty Hosp., Prof. G.-U. Diseases, Howard Univ., Physician, Washington, D. C.

Frederick Parker Gay, A. B., Harvard, 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Pathol., Univ. of Penna., 1901-03; Student, Institute Pasteur, Brussels, 1903-06: Bacteriol., Danvers Insane Hosp., 1906-07; Asst. and Instr. in Pathol., Harvard Med. School, 1907-10.—Prof. of Pathol., Univ. of California.

Neil Duncan Graham, A. B., 1897; Assoc. Prof. Hygiene and Prevent. Med., Howard Univ., and Physician, Washington, D. C.

Gardner Wells Hall, A. B., Harvard, 1898; Clinical Asst. in Medicine, 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B., Rock Hill, 1896; Grad. Student, 1896-97; House Physician, New York Hosp., 1902-03. —Attend. Physician, Maryland Hosp. for Consumptives; Physician in charge, Phipps Disp., Assoc. in Med., and Physician, Balt.

Rolland Frederick Hastreiter, S. B., Wisconsin, 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst. in Anat. Wis. Coll. of P. and S., 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway A. B., Iowa Coll., 1894, and Harvard, 1896, and A. M., 1897; Resident House Officer, 1901-02; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-03; Resident Pathol., Boston Free Hosp. for Women, 1903-04; Instr. in Anat., Cornell, 1905-09; Med. Exam., Cornell Univ. Gym., Ithaca, 1906-09.—Prof. Anatomy, Univ. Louisville, Louisville.

James Morley Hitzrot, A. B., Princeton, 1897; Resident House Officer, 1902; House Surgeon, New York Hosp., 1902-03.—Asst. Prof. Clin. Surg., Cornell Univ.; Assoc. Attend. Surg., N. Y. and Hudson St. Hospitals; Asst. Attend. Surg., Bellevue Hosp., and Physician, New York.

Gerry Rounds Holden, A. B., Yale, 1897; House Surg., Roosevelt Hosp., N. Y., 1902-03; Resident Gynecologist, and Instr. in Gynecol., 1903-05.—Gyne-

cologist, St. Luke's Hosp. and Fla. Hosp. for Insane at Chattahoochee, and Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B., Yale, 1897; John W. Garrett International Fellow in Pathol. and Bacteriol., Univ. Coll., Liverpool, 1901-02; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-03, Act. Asst. Surg., U. S. Public Health and Marine Hosp. Service, and Research Worker, Government Laboratory, Parel, Bombay, India, 1903-05. —Physician in chief, Hosp. of Yale Coll., Changsha Hunan Prov., China.

William Bernard Johnston, A. B., Harvard, 1897; Asst. Resident Pathologist, 1901-02.—Europe.

Harry M. Kaufman, A. B., 1897; Resident Physician, Jewish Hosp., Philadelphia, 1901-02.—Consult. Physician, German Orphan Asylum; Attend. Physician, Ruppert Home, and Physician, Washington, D. C.

Theodore Lamson, Ph. B., Yale, 1897; Asst. Resident Physician, Barnes Hosp., Washington, 1901-02.—First Lieut. and Asst. Surg., U. S. A., Manila, P. I.

Dwight Milton Lewis, A. B., Yale, 1897; Medical House Officer, City Hosp., Boston, 1901-03.—Clin. Instr. Med., Yale, Med. Sch.; Pathol. and Asst. Visit. Phys., Hosp. of St. Raphael; Bacteriol. Board of Health, and Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B., 1897; Resident Pathologist, Penn. Hosp., Philadelphia, 1901-03; Director, Ayer Clinical Lab., Penna. Hosp., 1904-10; Asst. Prof. Applied Med., Univ. of Penna., Philadelphia, 1909-11.—Assoc. Prof. Med. Columbia Univ., and Assoc. Attend. Phys. Presbyterian Hosp., N. Y.

William Harvey Maddren, S. B., Brooklyn Polytech. Inst., 1896; Grad. Student, 1896-97.—Visiting Surg., L. I. State and Samaritan Hospitals, and Asst Visit. Surg. King's Co. and Bradford St. Hosp., and Physician, Brooklyn.

Elizabeth Sutton Moore (Mrs. G. L. McKinney), S. B., Wilson Coll., Pa., 1895; Grad. Student, Cornell, 1896-97; Interne, New England Hosp., Boston, 1901-02; Pathologist, Passavant Hosp., 1903-08.—Physician, Fort Caswell, N. C.

Henry Pickering Parker, A. B., 1896; Demonstrator of Pathol. and Bacteriol., Western Reserve Univ., 1901-02; Resident Pathologist, Lakeside Hosp., Cleveland, 1902-03; Interne, Union Protestant Infirmary, Balt., 1903-04; Clinical Asst. in Med.; Resident Physician, Robt. Garrett Hosp. for Children, 1904-05; Asst. to the Prof. of Clin. Med., Georgetown Med. Sch.; Asst. in Diseases of Throat and Chest, Emergency Hosp., 1905-08. — Prof. Medicine, Howard Univ., and Visit. Physician, Freedman's Hosp., and Physician, Washington, D. C.

Maurice J. Rubel, S. B., Chicago, 1897; Resident House Officer, 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B., Yale, 1897; House Physician, St. Luke's Hosp., N. Y., 1901-02; Resident Physician, N. Y., Lying-in Hosp., 1903-04.—Instr. Clin. Micpy., Washington Univ.; Visit'g Phys., St. Louis Skin and Cancer Hosp. and City Hosp., and Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B., Cornell, 1897.—Physician, Minneapolis, Minn.

Josiah Morris Slemons A. B., 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst., Asst. Resident, and Resident Obstetrician, 1902-04; Instr., Assoc. and Assoc. Professor in Obstetrics, 1904-13.—Prof. of Obstetrics and Gynecol., Univ. of California, and Physician, San Francisco.

Herbert Meloy Smith, A. B., Roanoke, 1892, and A. M., 1897; Grad. Student, 1894-95; Lt. and Capt. Med. Corps, U. S. A., 1901-10; Hospital Service, Philadelphia, 1911.—Physician, Columbia S. C.

Charles Nelson Spratt, S. B., Minnesota, 1897; Resident House Officer, 1901-02; House Surgeon, New York Eye and Ear Infirmary, 1902-03; House Surg. Mass. Charitable Eye and Ear Infirmary, Boston.

Albert Louis Steinfeld, A. B., 1897; Director, Histol. and Pathol. Laboratories, and Resident Physician, Lucas Co. Hosp. Toledo, O., 1901-02; Prof. Histol. and Pathol., Toledo Med. Coll., 1903-04; Lect. in Ear, Nose and Throat, Toledo Med. Coll., 1906-11. —Physician, Toledo, O.

Carlotta Mary Swett (Mrs. C. H. Bunting), A. B., Wellesley, 1896; Grad. Student, Maine State Coll., 1896; Interne New England Hosp., Boston, 1901-02.—Madison, Wis.

Henry Ludwig Ulrich, S. B., Rutgers, 1897.—Visit'g Physician, City Hosp.; Instr. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Albert James Underhill, A. B., 1897.—Externe in Surgery; Physician, Balt.

Marian Bartholow Walker (Mrs. Marian Walker Williams), A. B., Radcliffe, 1898; Attending Physician, Babies' Hosp., N. Y., 1901-02; Physician, Hartford, Ct., 1902-11.—Taos, N. M.

Louis Marshall Warfield, A. B., 1897; Resident House Officer and Asst. Res. Physician, Thomas Wilson Sanitarium, 1901-02; Instr. Clin. Microscopy, Washington Univ. Med. Sch., St. Louis, 1905-09; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Wisconsin, 1909-12.—Physician, Milwaukee.

George William Warren, A. B., 1897.—Physician, New York.

Stephen Hurt Watts, A. M., Randolph-Macon, 1896; Student, Univ. of Virginia, 1896-97; Resident House Officer,

Asst. Resident and Resident Surgeon, 1901-07.—Prof. of Surg., Univ. of Virginia, and Surg. in chief Va. Hosp., Charlottesville.

Ernest Alden Wells, A. B., Yale, 1897; House Surgeon, N. Y. Hosp., 1901-02.—Asst. Visit. Surg. to Hartford Hosp. and Surgeon, Hartford, Conn.

*Mabel Wells, A. B., Wellesley, 1896; Student, Univ. of Zürich, 1897.—Med. Exam. Roland Park and Arundel Schools, Baltimore, 1905-06.

John Montgomery West, A. B., 1896; Student, Universities of Berlin, Vienna and Halle, 1902-06; Asst. in Laryngol. and Rhinol., 1907-10.—Physician, Baltimore.

Charles Knickerbacker Winne, Jr., A. B., 1897; Externe, 1901-02; Acting Resident House Officer; Asst., Aes. Physician, Thos. Wilson Sanitarium, 1902-03; Asst. Bender Hygienic Lab., Albany, N. Y., 1903-05.—Instr. Theory and Prac. of Med., Albany Med. Coll.; Asst. Attend. Physician, Contagious Dept., Albany Hosp.; Attend. Phys., Child's Hosp., So. End Disp. and Home for the Friendless; Physician, Albany. (53)

1902

John Auer, S. B., Michigan, 1898; Resident House Officer, 1902-03; Instr. Physiol., Harvard Med. Sch., 1906-07; Asst. and Assoc., Rockefeller Institute, 1907-09.—Assoc. Member, Rockefeller Institute for Medical Research, N. Y.

John Bradford Briggs, Jr., S. B., New York Univ., 1898; Resident House Officer, and Asst. in Medicine, 1902-04.—Assoc. in Pathol., George Washington Univ. and Dispensary, and Physician, Washington, D. C.

Bennett Bernard Browne, Jr., A. B., 1898; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hospital, 1903-06.—Clinical Asst. Ophthalmology and Otology, Consult. Physician, Emergency Hosp., Annapolis, and Physician, Balt. and Annapolis.

Robert Martin Bruns, A. B., Virginia, 1896; Grad. Student, 1897-98; Asst. Resident Physician, Springfield State Hospital, Sykesville, Md., 1902-03.—Physician, Balt.

William Morgan Case Bryan, A. B., Washington Univ., 1897; M. S., Michigan, 1898; Resident Physician, German Hosp., Philadelphia, 1902-04; Instr. Clin. Microscopy and Chem., Med. Dept., St. Louis Univ., 1904-05.—Instr. Ear, Nose and Throat Diseases, *ibid.;* Oto-Laryngol. to Alexian Bros. Hosp., and Physician, St. Louis.

*Camillus Bush, S. B., California, 1898; Resident House Officer, and Asst. Res. Surgeon, 1902-04.—Visiting Surgeon, St. Helena Sanitarium; Instr. in Surg., Univ. of Calif., and Surgeon, San Francisco. (Died, May 28, 1910.)

John Woolman Churchman A. B., Princeton, 1898, A. M., 1901; Resident House Officer, and Clinical Asst. G.-U. Surgery, 1902-05; Voluntär Asst. Surg. Clinic, Breslau, 1905-06; Asst. Res. Surgeon, 1906-09; Resident Surgeon and Instr. in Surgery, 1912.—Asst. Prof. Surgery, Yale, New Haven.

Thomas Wood Clarke, A. B., Harvard, 1899; Resident House Officer, 1902-03; Resident Physician, Lakeside Hosp., Cleveland, 1903-05; Vol. Asst. Charite Krankenhaus Berlin, 1905-06; Act. Clin. Asst. Children's Hosp., and Research Student, St. Bartholomew's Hosp., London, 1906-07; Fellow, Rockefeller Inst., N. Y., 1907-08; Clin. Asst., Vanderbilt Clinic, 1907-10; Asst. in Pediatrics, Columbia, and Asst. Editor *Medical Record,* 1909-10.—Attend. Pediatrist, Faxton Hosp., Phys. chg. Babies' Pure Milk and Health Sta., and Physician, Utica, N. Y.

Henry Wireman Cook, A. B., 1898; Resident House Officer, 1902-03; Late Asst. Resident, Thomas Wilson Sanitarium.—Visiting Physician, Senior Staff Memorial Hosp. and Univ. Hosp.; Asst. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Jacob Jones Coons, S. B., Ohio Wesleyan, 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp., 1902-03; Asst. Res. Surg., Kensington Hospital, Phila., 1903-04.—Assoc. Prof. Clin. Med., Starling-Ohio Med. Coll., Pathologist, Mt. Carmel Hosp., and Physician, Columbus, Ohio.

Gustavus Charles Dohme, A. B., 1898; Prof. Chemistry, Maryland Med. Coll., 1905-12.—Physician, Baltimore.

David Hough Dolley, A. B., Randolph-Macon, 1897, and A. M., 1898; Resident Pathologist, St. Vincent's Charity Hosp., 1902-03; Asst. Demonstrator, Pathol., West. Reserve Univ., and Resident Pathologist, Lakeside Hosp., Cleveland, 1903-04; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1906-10.—Prof. Pathol., Univ. Missouri, Columbia.

Ralph Duffy, A. B., 1898; Pathologist, Western Penna. Hosp., Pittsburgh, 1902-08; Res. Surg., Franklin Sq. Hosp., Baltimore, 1908-09; Surg., Scotland Sanitorium, Lawrinburg, N. C., 1909-11.—Physician, Baltimore.

John Dunlop, S. B., Princeton, 1898; Asst. Resident Physician, Thos. Wilson Sanitarium, 1902; Externe in Surgery, 1902-03; Asst. Res. Physician, U. P. I., Balt., 1903; Orthopedic House Officer, Carney Hosp., Boston, 1904-05. — Ortho. Surg., Children's Hosp. and Freedman's Hosp., Prof. Orthopedic Surg., Georgetown Univ., and Physician, Washington, D. C.

William Gage Erving, A. B., Yale, 1898; Orthopedic House Surgeon, Carney Hosp., Boston, 1902-03.—Ortho. Surgeon, Providence, Freedman's and Children's Hospitals, and Prof. Ortho. Surg., Howard Univ., and Physician, Washington, D. C.

Newell Simmons Ferry, Ph. B., Yale,

1898; Asst. Resident Surgeon, Barnes Hosp., Washington, D. C., 1902-03; Asst. in Medicine, Memphis, Tenn., 1903-08.—Biol. Pathol. City Hosp., and Physician, Memphis, Tenn., 1903-1908.—Biol. and Research Dept., Parke, Davis & Co., Detroit, Mich.

Nellis Barnes Foster, S. B., Amherst, 1898; Resident Physician, N. Y. Hosp., 1904-05.—Assoc. Physician, N. Y. Hosp., and Physician, N. Y.

William Willoughby Francis, A. B., 1898; Asst. in Pathology, 1904-05.—Clin. Asst. in Med., Royal Victoria Hosp., and Asst. Demonstr. Clin. Med. McGill Univ., Montreal, Can.

Maurice Albert Frankenthal, A. B., Washington Univ., 1898.—Assoc. Visit. Physician, Jewish Hosp., Pathologist, Bethesda Homes, Asst. in Surg., Washington Univ. Hosp., and Physician, St. Louis.

W. Harry Glenny, Ph. B., Yale, 1894; Asst. Attend. Physician and Supervisor of Records, Buffalo Gen'l Hosp., Attend. Physician, Tuberculosis Dispen., and Physician, Buffalo, N. Y., 1902-1911. Bond Broker, Buffalo.

Clarence Foster Hardy, B. L., Wisconsin, 1891; Interne, Mercy Hosp., Pittsburg (four months). — Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B., Union, 1898; Resident Surgeon, Society Lying-in Hosp., N. Y., and Resident House Officer, 1902-03.—Asst. Phys., Glens Falls Hosp., Glens Falls, N. Y.

Mabel Stevens Haynes (Mrs. Konrad Heissig), A. B., Bryn Mawr, 1898; Asst., Disp. Mass. Gen'l Hosp., 1902-03; Student of Med., Vienna, 1904-05; Dermatol., Wilkes St. Free Disp. and Trinity Disp., Boston, 1906-07.—Vienna, Austria.

Leonard Keene Hirshberg, A. B., 1898, A. M., Loyola, 1912; Assoc. in Nervous Diseases and Instr. in Bacteriol. and Neuro-Path., Coll. of P. and S., Chief of Nervous Clinic, Mercy Hosp., and Physician, Balt.

Carl Herman Horst, A. B., Stanford, 1898; Resident House Officer, 1902-03; State Bacteriologist, Montana, 1904-05; Resident Physician, Insane Asyl., State of Montana, 1905-06.—City Health Officer and Physician, Butte, Mont.

Solomon Hyman, S. B., California, 1898; House Surgeon, Mount Sinai Hosp., N. Y., 1903-05; Adjunct Surg., Mt. Zion Hosp., 1905-10; Instr. in Surgery, Cooper Med. Coll., 1905-12; Clin. Instr. in Surg., Stanford Univ., 1912-13.—Surgeon, San Francisco, Cal.

William Frederick Jelke, Ph. B., Yale, 1898; Asst. Resident Surgeon, Lakeside Hosp., Cleveland, 1902-03; Demonstrator in Anat., Cornell, 1904-05.—Physician, Cincinnati.

Thomas Monroe Jones, A. B., Indiana Univ., 1898; Student, Heidelberg, Germany, 1894-97; House Officer, St. Mark's Hosp., N. Y., 1902-03; Interne, King's Co. Hosp., Brooklyn, 1903-05; Graduate Student, Vienna, Austria, 1909-10.—Surgeon, Anderson, Indiana.

Alfred Karsted, A. B., Stanford, 1898; House Surgeon, German Hosp., N. Y., 1902-04; Resident Physician, Murray Hosp., Butte, 1907-11.—Physician, Butte.

Arthur Herbert Kimball, S. B., Amherst, 1897, and A. M., 1903; Resident Physician, Eye, Ear and Throat Charity Hosp., Baltimore, 1902-03.—Visiting Oculist, Government Hosp. for the Insane; Asst. in Ophthalmology, Episcopal Eye and Ear Hosp., and Physician, Washington, D. C.

Louis Charles Lehr, A. B., 1898; Clinical Asst. G.-U. Surg. and Asst. in Gynecol., Dr. Kelly's Sanatorium, 1902-04.—Physician, Wash., D. C.

Edward McCrady L'Engle. A. B., St. John's, 1897; Grad. Student, 1897-98; Asst. Resident Physician, Phila. Polyclinic Hosp., 1902-03.—Pathol., Polyclinic Hosp.; Dem'str Pathol., Medico-Chir. Coll.; Asst. Pathol., Phila. Hosp., and Physician, Phila.

George Victor Litchfield, Jr., A. M., Randolph-Macon, 1897; Physician-Surgeon, Lick Creek and Lake Erie R. R. and Dawson Coal and Coke Co., St. Paul, Va., 1902-03; Surgeon, N. and W. R. R.; Tidewater, Bottom Creek, King Coal Co. and Big Four C. and C. Co. and Laurel Creek Lumber Co., Kimball W. Va., 1908.—Physician, Abingdon, Va.

Emma Lootz (Mrs. W. G. Erving), A. B., Smith, 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B., Rutgers, 1897; Clinical Asst., Sheppard and Enoch Pratt Hosp., Towson, 1902-03; First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford, 1903-06.—Asst. Neurol., Phila. Polyclinic and Hosp.; Instr. in Neurol. and Neuropathol., Univ. of Penna., Asst. Neurologist, Phila. Hosp., and Physician, Philadelphia.

Annie Galloway Lyle, A. B., Stanford, 1895; Asst. Volunträr, Vienna, 1902-03; Asst. Children's Clinic, Univ. of Calif., 1904-05; Physician, Juvenile Court, 1905-11.—Phys. to Board of Education, and Mary's Help Hosp., and Physician, San Francisco.

George Malcolm MacGregor, S. B., Wisconsin, 1894; Resident House Officer, Church Home and Infirmary, Balto., 1905-07.—Physician, Garfield, Wash.

Samuel Andrew Marshall, A. B., Yale, 1898; Surgeon, House of Relief, N. Y. Hosp., 1902-03.—Physician, L. I. City, N. Y.

John Scott McFarland, Ph. B., Yale, 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B., Penna. Coll., 1898; Harvard Summer School, 1898; Resident House Officer, 1902-03; Interne, Barnes Hosp., U.

S. Soldiers' Home, Washington, D. C., 1903-04; Resident Physician, Lakeside Hosp., Cleveland, 1904-05; Graduate Student, Europe, 1909-10.—Surg. Staff, York Hosp., and Surgeon, York, Pa.

John Elmer Meisenhelder, S. B., Penna. Coll., 1897; Grad. Student, 1897-98; House Surgeon, Moses Taylor Hosp., Scranton, Pa., 1903-04; Resident Surgeon, Hosp., U. S. Soldiers' Home, Washington, D. C., 1904-10; Grad. Student, Charite Hosp., Berlin, Germany, Univ. of Vienna and Univ. Hosp., London, 1910-11.—Physician, York, Pa.

*Henry William Oschner, S. B., Wisconsin, 1898.—Resident House Officer, 1902-03. (Died at Baltimore, Nov. 25, 1902.)

Edward Hiram Reede, A. B., Cornell, 1898; Asst. Resident Physician, St. Luke's Hosp., N. Y., 1903.—Visit'g Phys. Freedman's Hosp.; Clin. Asst. in Med., Howard Univ., and Physician, Washington, D. C.

Edwin Nicholas Riggins, A. B., Williams, 1897; Interne, House of Relief, N. Y. Hosp., 1903-04.—Adjct. Attend. Physician and Registrar, St. Mary's Hosp.; Physician, Out-Patient Dept. Mem. Hosp.; Med. Exam., Union Cent. L. I. Co., and Physician, Orange, N. J.

Carey Pegram Rogers, A. B., Wake Forest, 1897; Grad. Student, 1897-98; Resident House Officer, 1902-03.—Consult. Surg., Seaboard Air Line and Surg. in chief, Private Surg. Hosp., Jacksonville, Fla.

Stephen Rushmore, A. B., Amherst, 1897; Externe, 1902-03; Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp., N. Y., 1904; House Surgeon, St. Mary's Hosp. for Children, N. Y., 1905; Res. Gynecologist, 1905-06; House Officer, Boston Lying-in Hosp., 1907.—Visit'g Gynecol., Carney Hosp., Boston; Assoc. Prof. Gynecol., Tufts Coll. Med. Sch.; Consult. Gynecol., Symmes' Arlington Hosp., and Physician, Boston.

George Barr Scholl, A. B., 1898; Externe, 1902-03.—Prof. Pathol., Bacteriol., and Clin. Microscopy, Maryland Med. Coll.; Pathologist, Franklin Sq. Hosp., Health Officer, City Board of Health, and Physician, Balt.

Melville Silverberg, A. B., California, 1897; Asst. in Physiol.-Chem., Cooper Med. Coll., San Francisco, 1902; House Officer, City Hosp., Boston, 1903-04.—Prof. G.-U., Coll. P. and S., Physician, San Francisco.

John Nathan Simpson A. B., Nashville, 1893; Student Paris and Berlin, 1905.—Member Amer. Acad. Med., Prof. of Physiology, Dean of School of Medicine, West Virginia Univ., and Physician, Morgantown.

Harry Merriman Steele, Ph. B., Yale, 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll., N. Y., 1902-04; Asst. in Pathol., Yale Med. Sch., 1902-07.—Instr. in Pediatrics, Yale, and Asst. Attend. Physician, New Haven Hosp., and Physician, New Haven.

Alice Weld Tallant, A. B., Smith, 1897; Grad. Student, Mass. Inst. of Tech., 1897-98; Interne, New England Hosp., Boston, 1902-03; Med. Examiner for the Gymnasium, Bates Coll., Lewiston, Me., 1903-1905; Asst. Physician, Disp. of New Eng. Hosp., 1904-05.—Prof. of Obstetrics, Woman's Med. Coll. of Penna., and Obstet. in chief to Hosp. of Woman's Med. Coll.; Physician, Girls' Dept., Glenn Mills Schools, and Physician, Phila.

Condit Brewer Van Arsdall, A. B., Kentucky Wesleyan, 1894, and A. M., 1898; A. B., Michigan, 1898.—Physician, Harrodsburg, Ky.

John Van Denburgh, A. B., Stanford, 1894, A. M., 1895, and Ph. D., 1897; Hon. Curator, Dept. of Science; Act. Chief Children's Clinic, San Fran. Polyclinic, 1902-03; Visiting Physician, King's Daughter's Home for Incurables; Asst. Visit. Gynecol., St. Luke's Hosp.; Surg., Telegraph Hill Neighborhood Assn., 1904-06.—Asst. Surg., San Fran. Polyclinic, and Physician, San Francisco.

Otis Buckminster Wight, A. B., Stanford, 1898; Resident House Officer, 1902-03.—Asst. Prof. Gynecol., Univ. or Oregon, and Physician, Portland.

Clara Louise Williams, S. B., California, 1897, and M. S., 1898; Interne, St. Luke's Hosp., San Francisco, 1902-03.—Physician, Berkeley, Cal.

Dudley Williams, A. B., 1897; Grad. Student, 1897-98; Grad. Student (Pathol.), Harvard Med. School, 1902-03.—Asst. Physician and Physician, Baltimore.

Charles Benjamin Wright, A. B., North Dakota, 1898; Resident House Officer, 1902-03.—Chief Staff, Wells Mem. Free Disp.; Visit. Phys. Minn. City Hosp., and Physician, Minneapolis.

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1903

Victor Hugo Bassett, A. B., Knox, 1896; Graduate Student, Wisconsin and Michigan, 1897-98; Instr. in Bacteriol. and Clin. Pathol., Northwestern, Chicago, 1903-04; Fellow in Pathology, 1904-05; Prof. Pathol., Wisc. Coll. P. and S., 1905-06; Assoc. Prof. Pathol., Milwaukee Med. Coll. and Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp., Milwaukee, 1906-08.—Bacteriologist, City of Savannah, Ga.

Lewis Clyde Bixler, A. B., Lafayette, 1899, and A. M., 1902; Resident House Officer, 1903-04.—Physician, Pittsburg.

*Elizabeth Hedges Blauvelt, A. B., Bryn Mawr, 1896; Interne, N. Y., Infirmary for Women and Children, N.

Y., 1903-05; Med. Missionary, Amoy, China, 1905-1909. (Died, 1912, Saranac Lake, N. Y.)

Clinton Ethelbert Brush, Jr., S. B., New York Univ., 1899; Resident House Officer and Asst. in Medicine, 1903-05.—Assoc. Prof. Med., Univ. of the South, Attend. Physician, Woman's Hosp., and Physician, Nashville.

Joseph Albert Chatard, A. B., Loyola, 1898; Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hospital, 1903-04.—Assoc. Phys., St. Agnes' Hosp., Asst. Physician, Instr. in Med., and Physician, Baltimore.

George Edward Chinn, Jr., S. B., Central Coll. (Mo.), 1899; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1903-04.—U. S. Pension Exam. Surg.; Clin. Asst. St. Vincent's Hosp.; Civil Service Exam., Physician, and Physician, Norfolk, Va.

Alfred Hull Clark, A. B., Cornell, 1899; House Surgeon, The Hartford Hosp., Conn., 1903-05.—Physician, Buffalo, N. Y.

William Burgess Cornell, A. B., Chicago, 1899; Externe, 1903-04; Asst. in Neurol., 1905-10; Prof. of Neurol., Woman's Med. Coll. (Balto.), 1907-10; Clin. Asst. 1904-05; Asst. Physician, Sheppard and Pratt Hosp., 1905-10; Asst. Phys., Danvers State Hosp., Hathorne, Mass., 1910-12.—Executive Sec'y, Mental Hygiene Comm., and Physician, Baltimore.

Emma Grace Dewey, S. B., Wellesley, 1885, and A. M., 1894; Graduate Student, Chicago, 1898-99; Interne, The Babies' Hosp., N. Y.; Rockefeller Institute for Med. Research (Summer, 1903).—Pathologist and Radiographer, Passavant Mem. Hosp., and Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B., Oberlin, 1897; Graduate Student, 1898.—Physician, Jefferson, O.

*Dana, Lee Eddy, A. B., Yale, 1898.—Leavenworth, Kans.

Roades Fayerweather, A. B., Harvard, 1899; Orthopedic House Surg., Carney Hosp., 1903-04.—Asst. in Orthopedic Surg., and Surgeon, Balt.

John Somerville Fischer, A. B., 1898, and Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hosp., Balt., 1903-04.—Chief Med. Clinic, St. Joseph's Hosp. Disp., Assoc. in Diseases of Children, B. M. C., and Physician, Baltimore.

Frederick Julius Gaenslen, S. B., Wisconsin, 1899; Grad. Student, Harvard, 1901; Interne, German Hosp., N. Y., 1903-06.—Orthoped. Surg., Milwaukee Children's Hosp. and County Hosp., and Physician Milwaukee.

Lewis McFarlend Gaines, A. B., and S. B., Hampden-Sidney, 1898; Grad. Student, Univ. of Virginia, 1898-99; First Asst. Surgeon, R. I. Hosp., Providence, and House Physician, Providence Lying-in Hosp. (three months), 1903-04; Prof. of Anatomy and Physiol., Med. Dept., Wake Forest Coll., Supt., Wake Forest Hosp., N. C., 1904-08.—Prof. Neurol., Atlanta Sch. Med.; Attend. Neurol., Tabernacle Infirm.; Visit. Phys., Home Incurables, and Physician, Atlanta, Georgia.

John Timothy Geraghty, A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Seminary, 1897; Grad. Student, 1897-98; Resident House Officer, 1903-04.—Asst. Surg. and Assoc. in G.-U. Surg., Visit. G.-U. Surg., City Hosp., Bay View, and Surgeon, Baltimore.

Francis Colquohoun Goldsborough, S. B., Princeton, 1889; Interne in Obstetrics; Asst. Res. Gynecologist; Obstet'n in chg. and Resident Obstetrician, 1903-07.—Instr. and Asst. Obstetrician, 1907-10.—Prof. Obstetrics, Univ. of Buffalo, and Physician, Buffalo, N. Y.

Justin Frank Grant,, Ph. B., Yale, 1898; Prof. of Anatomy and Pathology, Univ. of W. Va., Morgantown, 1903-10.—Prof. Anat., Atlanta Coll. P. and S., Atlanta, Ga.

Louis Wardlaw Haskell, Jr., A. B., 1899; Asst. in Surg. Pathol., 1903-04; House Officer, General Memorial Hosp., N. Y., 1905-06.—Assoc. Prof. Surg., Univ. of Tenn. (Memphis); Asst. Surg., Memphis City and Lucy Brinkley Hospitals, and Physician, Memphis, Tenn.

Arthur Douglass Hirschfelder, S. B., California, 1897; Student in Paris and Heidelberg, 1898-99, and Berlin, 1906; Resident House Officer, 1903-04; Asst. in Medicine, Cooper Med. Coll.; Asst. Physician, City and County Hosp. and Physician, San Francisco, 1904-05; Voluntary Asst. in Medicine, 1905-06; Instructor and Assoc. in Medicine, in charge of the Physiol. Lab. of Med. Clinic,, 1906-13.—Prof. Pharmacol., Univ. of Minnesota, Minneapolis.

Ross Hopkins, A. B., and S. B., Campbell Univ., 1897; A. B., Kansas State Univ., 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B., Amherst, 1899; Resident House Officer, Asst. Res. and Res. Gynecologist, 1903-07; Asst. and Instr. in Gynecol., 1906-07.—Consult. Gyne., Rufus S. Frost Gen. Hosp., Chelsea and Mem. Hosp., Pawtucket (R. I.), Surg. to Out-Patients, The Free Hosp. for Women, Brookline, Mass.; Asst. in Gynecol., Harvard, and Physician, Boston.

Clement Levi Jones, S. B., Washington and Jefferson, 1899, and M. S., 1904; Clin. Asst. Med. Starling Med. Sch., Pathologist, Hawkes Hosp. of Mt. Carmel, Columbus, O., 1903-06.—Pathol., City Hosp. and Physician, Springfield, Ohio.

Louise Tayler-Jones, A. B., Wellesley, 1896; M. S., Columbian, 1898; Asst. in Pediatrics, Freedman's Hosp.; Physician, The Foundling Hosp. and

Nat. Florence Home, Phys. Summer Camp for Sick Babies, and Physician, Washington, D. C.

Albert Keidel, A. B. (Feb. 22), 1900; Clinical Asst. in Medicine, 1903-06; Asst. in Surg. and Physician, Balt.

Maurice Lazenby, A. B. (Feb. 22), 1900; House Physician, Church Home and Infirmary, 1903-04.—Prof. Histol. and Assoc. Prof. Surg., Woman's Med. Coll., 1908-10.—Physician, Balt.

Arthur Solomon Loevenhart, S.B., Kentucky State Univ., 1898, and M. S., 1899; Asst. and Assoc. in Physiol.-Chemistry, and Pharm., 1903-06; Associate Professor, 1906-08.—Prof. Pharm. and Toxicol., Univ. Wisconsin, Madison.

Henry D. Long, A. B., Washington and Jefferson, 1894, and A. M., 1897; Cornell Summer School, 1897; Resident House Officer, 1903-04; Asst. Surg. U. S. Public Health and Marine Hosp. Service, Ellis Island, N. Y., 1905-07.—Physician, N. Y.

Margaret Long, A. B., Smith, 1895; Grad. Student, Mass. Inst. Tech., 1896-97; Interne, N. Y. Infirmary for Women and Children, 1903-04.—Physician, Denver, Col.

*Edward Janney Sidwell Lupton, S. B., Columbia, 1899; First Asst. Resident and Resident Physician, Columbia Hosp., Washington, D. C., 1903-04; Physician, Hendersonville, N. C., 1905-06.

Leo Augustine Lynch, A. B., Yale, 1899; Asst. House Surgeon, Society Lying-in Hosp., N. Y., 1903-04; Interne, City Hosp., Blackwell's Island, 1904-05.—Visit'g Surgeon, Swedish Hosp., and Physician, Brooklyn, N. Y.

William Sanders Manning, S. B., Columbian, 1899; Clinical Asst., The Emergency Hosp., Washington, D. C., 1903-04; Ophthalmologist, St. Luke's Hosp., and S. A. L. R. R., and Physician, Jacksonville, Fla.

Watson Marshall, A. B., Princeton, 1899.—Oto-Laryngol., St. Margaret Mem. Hosp., Pittsburg.

Robert Talbott Miller, Jr., A. B., Amherst, 1899; Resident House Officer, and Asst. Res. and Res. Surg., and Instr. in Surg., 1903-09.—Surgeon, St. Francis' Hosp., Pittsburg, Pa.

Mary Elizabeth Morse, A. B., Goucher College, 1899; House Officer, N. Eng. Hosp. for Women and Children, Boston, 1903-04; Resident Physician, Evening Disp. for Working Women, Balt., 1904-05; Asst. Physician, East. Mich. Asylum for the Insane, Pontiac, 1905-06.—Asst. Pathologist, Worcester State Hosp., Worcester, Mass.

Willis Bean Moulton, A. B., Bowdoin, 1899; Resident House Officer, 1903-04.—Sec. Me. Med. Assn.; Fellow, Amer. Acad. Med.; Instr. in Gynecol., Med. Sch. of Maine, Adj. Surg., Maine Gen'l Hosp., Asst. Surg., St. Barnabas Hosp., and Physician, Portland, Me.

Harry Banjamin Neagle, A. B., Bowdoin, 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B., Cincinnati, 1899, and A. M., 1900; LL. B., N. Y. Law Sch., 1908; House Surgeon, Presby. Hospital, N. Y., 1904-05.—Attend. Dermatol., Vanderbilt Clinic, and Physician, N. Y.

Theodore Foster Riggs, A. B., Beloit, 1898; Resident House Officer, 1903-04; Asst. Resident and Resident Surg., Union Prot. Infirmary, Baltimore, 1904-07; Grad. Student, Berlin, 1907-08; Private Asst. to Dr. Elting, Albany, N. Y., 1908.—Attend. Staff, St. Mary's Hosp., Visit'g Surg., Onida Hosp., and Surgeon, Pierre, S. D.

Benjamin Franklin Riley, Jr., S. B., Georgia, 1898.—County Physician, Surg., Georgia R. R., and Physician, Thomson, Ga.

George Canby Robinson, A. B., 1899; Asst. Demonstrator of Anatomy, Cornell, Ithaca, N. Y., 1903-04; Resident Pathologist and Resident Physician,, Penna. Hosp., 1904-08; Director, Pathol. Lab., Presbyterian Hosp. and Physician, Philadelphia, 1909-10; Res. Phys., Rockefeller Hosp., and Assoc. in Med., Rockefeller Institute, N. Y., 1910-13.—Assoc. Prof. Medicine, Washington Univ., St. Louis.

Marvin Pierce Rucker, A. M., Randolph-Macon, 1899; Virginia Med. Coll., 1899-00.—Instr. Obstetrics, Med. Coll. of Va.; Jr. Attendant in Internal Med., Memorial Hosp.; Surg., A. C. L. Ry.; Sec'y, Chesterfield Co. Board of Health, and Physician, Manchester, Va.

Ferdinand Schmitter, A. B., Union Coll., 1899; Instr. in Anatomy, Univ. of Wisconsin, Madison, 1903-05; First Lieut. Med. Corps, U. S. A., Fort Egbert, Alaska, 1905-08.—Capt., Med. Corps, U. S. A., Division Hospital, Manila, P. I.

Oscar Theodore Schultz, A. B., Indiana, 1897; Res. Pathologist, Charity Hosp., Cleveland; Brooklyn Inst. Biol. Lab. and Columbia Univ., N. Y., 1903-04; Dem'str. and Instr. of Pathol. and Proto-zoölogy, Western Reserve Univ., Cleveland, 1904-08.—Asst. Prof. Pathol., *ibid.*

Winford Henry Smith, A. B., Bowdoin, 1899; Resident Gynecologist, The Lakeside Hospital, Cleveland, 1903-05; Hosp. Physician, N. Y. Dept. of Health, 1905-06; Supt., the Hartford Hosp., Conn., 1906-09; Gen'l Med. Supt. Dept., Bellevue and Allied Hospitals, New York, 1909-11.—Supt., J. H. Hospital.

Alexander Raymond Stevens, A. B., 1896; Resident House Officer, 1903-04; Director, Analytical Lab. of Frazer & Co., N. Y., 1904-05; House Surg., Presbyterian Hosp., N. Y., 1907-08.—Asst. Attend'g G.-U. Surg., Bellevue Hosp., and Physician, N. Y.

Catherine Hutchison Travis, A. B., McGill, 1895; Grad. Student, Harvard Summer Sch., 1899; House Officer, N. Eng. Hosp. for Women and Children, Boston, 1903-04; Pathol., New Britain Hosp., and Physician, New Britain, Conn.

*Frank Hosford Watson, S. B., Wisconsin, 1899; Resident House Officer, 1903-04.—Chief Med. Clinic, Instr. and Lecturer in Clin. Med., Tulane Med. Sch.; Visit. Physician, Charity Hosp., and Physician, New Orleans, (Died, December 15, 1909, Milwaukee.)

Charles Whittier Young, S. B., Univ. of Illinois, 1897; Resident House Officer, 1903-04.—Prof. Bacteriol. and Pathol., Union Med. Coll., and Med. Missionary, Peking, China.

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1904

Jay Harvey Bacon, S. B., Knox, 1900; Pathologist, Lakeside Hospital, Cleveland, 1904-05.—Mbr. Staff, The Procter Hosp.; Phys., The Crittenden Home; Chairman, Educational Comm. Soc. Prev. of Tuberculosis; Surg., Peoria City R. R., and Ill. Tract. System and Keystone Wire Fence Wks.; Visit. Phys. The Bacon Mission Disp., and Surg., Peoria, Ill.

Theodore Baker, A. B., Princeton, 1900. —Physician, Pittsburg.

Robert Bennett Bean, S. B., Va. Polytech. Inst., 1900; Asst. in Anatomy, 1904-05; Instr. in Anat., Univ. of Mich., Ann Arbor, 1905-06; Assoc. Prof. Anat., The Philippine Med. Sch., Manila, 1907-10.—Assoc. Prof. Anat., Tulane Univ., New Orleans.

Ruth Bennet (Mrs. L. S. Morgan), A. B., Illinois, 1899, and Graduate Student, 1899; Asst. Physician and Surg., Tsing Kiang pu Hosp., Tsing Kiang pu, Kiang Pu Prov., China, 1905-09. —Med. Missionary, Hai Chow via Chinkiang, China.

John McFarland Bergland, S. B., Princeton, 1900; Interne in Obstetrics and Asst. Res. Obstetrician, 1904-06; Asst. in Obstet., 1906-12; Physician, Balt.

Maurice Buford Bonta, A. B., Ky. Weslevan, 1894; S. B., Michigan, 1897; Resident House Officer, 1904-05; Resident Gynecologist, Lakeside Hosp., Cleveland, 1905-06.—Asst. in Gynecol., Lakeside Hosp. Disp.; Med. Insp'r Public Schs., and Physician, Cleveland, Ohio.

Walter Vernon Brem, Jr., S. B., N. Carolina, 1896; Med. Dept., 1898-00; Resident House Officer, 1904-05; Phys., Ancon Hosp., 1905-07; Chief Med. Clin. Colon Hosp., Cristobal, C. Z., 1907-11.—Prof. Pathol. and Bacteriol., Med. Dept., Univ. Calif., and Physician, Los Angeles.

Julius Alexander Caldwell, Jr., S. B., N. Carolina, 1899; Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer, and Asst. Res. Gynecol., 1904-06.—Physician, Salisbury, N. C.

John Robert Carr, A. B., N. Carolina, 1899, Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer and Asst. Res. Surg., 1904-06.—Physician, Detroit, Mich.

DeWitt Bellinger Casler, A. B., Yale, 1900; Resident House Officer, Asst. in Gynecol. and Asst. Res. Gynecol., 1904-08; Instr. in Gynecol. and Res. Gynecologist, 1908-09. — Physician, Baltimore.

Ralph Torrey Edwards, A. B., Knox, 1897, and A. M., 1899; Bacteriologist, Bureau of Science, Manila, P. I., 1905-08; Director, Gov't Serum Lab., Phrapatoom, Siam, 1908-10.—Physician, Ceylon, Minn.

Anfin Egdahl, S. B., Wisconsin, 1900; Asst. Prof. of Pathol. and Bacteriol., Coll. of Med., State Univ. of Iowa, Iowa City, 1904-08.—Physician, Menomonie, Wis.

Harold Gould Garwood, S. B., Colorado, 1900, and Med. Dept., 1900-01; Resident House Officer, Minnequa Hosp., Pueblo, Colo., 1904-05; Surg., Colo. Fuel and Iron Co., Redstone, Colo., 1905-06; Sec. Boulder Co. Med. Soc., Res. Surg. Nat. Fuel Co., Northern Coal and Coke Co., and Fox-Patterson Mining Co., Gorham, Colo., 1906-09.—Surgeon, Denver, Colo.

Herbert Zeigler Griffin, S. B., Princeton, 1900; Resident House Officer, 1904-05; House Officer, Child's Hosp., Philadelphia, 1905-06.—Physician, St. Mary's Hosp., Rochester, Minn.

Harry Seliger Greenbaum, A. B., 1899; Student, Univ. of Berlin, 1899-00.—Instr. in Medicine and Asst. Physician and Physician, Balt.

Josephine Hemenway (Mrs. J. H. Kenyon), A. B., Pritchett Coll., 1898; Bryn Mawr, 1899-00; Resident House Officer, 1904-05.—Res. Physician, Babies' Hosp., New York.

*William Raphael Miles Kellogg, A. B., Adelbert, 1898; Resident Physician, Seattle Gen'l Hosp., 1904-05.—Assoc. Editor, *Northwest Medicine;* Secy., Wash. Assoc. Prevention and Relief of Tuberculosis, City Bacteriol., Secy. Pulmonary Hosp., and Physician, Seattle, Wash. (Died, October 14, 1908.)

Kenelm Julius Lee, S. B., Wisconsin, 1900.—Physician, Fergus Falls, Minn.

John Marion Love, A. B., and B. L., Hampden-Sidney, 1899; Grad. Student, 1899-00; Clin. Asst. Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp., 1904-06.—Clin. Asst. St. Vincent's Hosp., and Physician, Norfolk, Va.

Wilfred Hamilton Manwaring, S. B., Michigan, 1895, Univ. of Chicago, Summer Qrs., 1899-03; Fellow and Asst. in Pathol., Chicago, 1904-05;

Assoc. Prof. of Pathol., Indiana, 1905-07; Traveling Fellow, Rockefeller Institute, 1907-08, and Asst. in Pathol. and Bacteriol., 1910-13.—Prof. Bact. and Immunity, Leland Stanford Jr. Univ., Palo Alto, Cal.

Herman Weston Marshall, S. B., Mass. Institute Tech., 1897; Resident House Officer, 1904-05.—Asst. to Orthoped. Out-Patients, Mass. Gen'l Hosp., and Orthoped. Surgeon, Boston, Mass.

William Carpenter McCarthy, S. B., Kentucky State, 1900, and M. S., 1909; Pathol., Augusta Hosp., Berlin, 1904-06.—Surg. Pathol., Mayo Clinic, Rochester, Minn.

*Ernest Clare McGouldrick A. B., Yale, 1900.—Physician, Brewer, Me. (Died January 9, 1912.)

Lorenzo Seymour Morgan, S. B., Knox, 1900; Asst. Physician and Surg., Tsingkiang pu Hosp., Tsingkiang pu, Kiang Pu Prov., China, 1905-09.—Med. Missionary, Hai Chow via Chinkiang, China.

James Francis Morrison, A. B., Harvard-1900; Interne, Conn. State Hosp., for Insane, Middletown, 1904; Interne, Kings Co. Hosp., 1904-06; Asst. Physician, Conn. Hosp. for Insane, Middletown, 1906-08. — Neurol., Kings Co. Hosp. and Polhamus Mem. Clinic; Visit. Phys. Brooklyn Home for Consumptives and Physician, Brooklyn, N. Y.

Norman Oscar Nelson, S. B., Wisconsin, 1900; Resident Physician, Monroe St. Hosp., Chicago, 1904-1905.—Physician, Madison, Wis.

James Henry Randolph, A. B., Fla. State Coll., 1900; Clinical Asst., The Sheppard and Enoch Pratt Hosp., Towson, 1904-05.—Asst. and Chief Physician, Fla. Hosp. for Insane, Chattahoochee, 1905-10. — Physician, Jacksonville, Fla.

Jewett Villeroy Reed, S. B., Kentucky State Coll., 1900; Resident House Officer, 1904-05.—Asst. Prof. Surg., Indiana Univ. Sch. of Med. and Asst. Consult. Surg. City Hosp., Indianapolis.

Charles Mallory Remsen, A. B., 1899, and Grad. Student, 1899-00; Resident House Officer, Asst. Res. Physician and Asst. Surg. Pathologist, 1904-10; Res. Surg. and Instr. in Surg., 1910-11.—Surgeon, Atlanta, Ga.

William Gray Ricker, A. B., Yale, 1900; House Surgeon, Montreal Gen. Hosp., Can., 1904-05; Visit'g Physician, The Littleton Hosp., and Physician, Wels River, Vt., 1905-11.—Physician, St. Johnsbury, Vt.

Esther Rosencrantz, A. B., Leland Stanford, Jr., 1899; Barnard Coll., 1899-00; Interne, N. Y. Infirmary for Women and Children, 1905-06.—Clin. Asst. Out-Pat. Dept., Brompton Hosp. for Consumption, etc., London, Eng., 1906-07; Asst. Attend. Physician, Tuberculosis Clinic, N. Y. Board of Health, 1907; Clin. Asst. P. G. Med. Sch. and Hosp., and Physician, N. Y., 1907-09.—Physician, N. Y.

Ernest Sachs, A. B., Harvard, 1900; Interne, The Mount Sinai Hosp., N. Y., 1904-05; Grad. Stud., Berlin, 1907; Clin. Clk. Nat. Hosp., London and Sir Victor Horsley's Lab., Univ. Coll., 1908; Neurol. Surg. Montefiore Home and Beth Israel Hosp.; Adj. Asst. Surg. Bellevue Hosp. and Chief Surg. Clinic Out-Patient Dept., and Physician, N. Y., 1908-10.—Assoc. in Surg., Washington Univ. Med. Sch., St. Louis, Mo.

Orville Hickok Schell, A.B., Yale, 1900; House Surg., The Mount Sinai Hosp., New York, 1904-07; Med. Missionary, Changsha, Hunan Prov., China, 1907-08.—Assoc. Physician, New Rochelle Hosp., and Physician, New Rochelle, N. Y.

Harry Russell Stone, Ph. B., Conn., Wesleyan, 1899; Interne, Hudson St. Hospital, N. Y., 1904-05; House Physician and Surg., Private Patients' Bldg., N. Y. Hosp., 1905-07; Deputy Attend. Phys. Hudson St. Hosp., 1909-10.—Physician, New York.

Henry John Storrs, A. B., Amherst, 1899; Interne, Asst. Res. Obstetrician, Res. Obstetrician and Assist., 1904-09.—Phys. in charge, St. Louis Maternity Hosp. and Instr. Obstetrics and Gynecol., Washington Univ., St. Louis.

George Lane Taneyhill, Jr., A. B., 1900; Externe, 1904-05; Asst. Physician and Asst. in Med., 1905-09.—Instr. in Neurol. and Physician, Balt.

Benjamin Taylor Terry, A. B., Vanderbilt, 1898, and A. M., 1900; Univ. Chicago, Summer Qrs., 1900-1902, and 1904; Univ. of Freiburg, i. B., Summer, 1901; Harvard Med. Sch., Summer, 1903; Fellow in Pathol., Chicago, 1904-05; Grad. Student, Univ. Mich., Summers 1905, 1908, 1911 and 1912; Grad. Student, Columbia Univ., 1905-06; Univ. of Munich and Pasteur Institute, Paris, 1906-07; George Speyer Haus, Frankfurt a. M., 1910; Fellow and Asst. Rockefeller Inst., 1906-10; Assoc. in Protozoölogy, Rockefeller Institute for Med. Resch., N. Y., and Co-Editor, Journal Exp. Med., 1911-1913.—Director Laboratories, Kings Co. Hosp., Brooklyn.

William Lawton Thompson, A. B., Bowdoin, 1899; House Surgeon, City Hosp., Worcester, Mass., 1904-05; Surg. Soc. Lying-in Hosp., N. Y., 1905-06. — Dist. Physician, Boston Disp. and Asst. in Path. and Bact. and Instr. in Obstet., Tufts Coll. Med. Sch., Visit. Obstet., Mt. Sinai Hosp., and Physician, Boston.

George Thomas Tyler, Jr., A. B., Randolph-Macon, 1896, and A. M., 1897; Summer Sch., Columbian Univ., 1899; Interne, Union Prot. Infirmary, Balt.,

1904-06; Contract Surg., U. S. A., Fort Porter, N. Y., 1909-10.—Physician, Buffalo, N. Y.

William Jerome Vogeler, A. B., Yale, 1900; Resident Physician, St. John's Riverside Hosp., Yonkers, N. Y., 1904-06; Interne, Nursery and Child's Hosp., N. Y., 1906-07.—Attend. Phys., St. John's Riverside Hosp. and Sprain Ridge Hosp. for Tuberculosis, Clin. Asst. Vanderbilt Clinic, N. Y. and Physician, Yonkers, N. Y.

Robert Glendenning Washburn, S. B., Wisconsin, 1900; Wisc. Coll. P. and S., 1900-01.—Dermatol., Milwaukee Co., St. Mary's and Maternity Hospitals; Assoc. Prof. Dermatol., Marquette Univ., and Physician, Milwaukee.

Louis Schneider Weaver, A. B., Pa. Coll., 1899, and Yale, 1900; House Surg., R. I. Hosp., Providence, 1904-06.—Staff, York Hosp., and Penna. State Tuberculosis Disp., and Physician, York, Pa.

John Scott Willock, S. B., Princeton, 1900; Resident Physician, Allegheny Gen. Hosp., Pa., 1904-05; Physician, Hampson & Smith, Railroad Contractors, Mexico, 1907; Waverly Oil Wks. Co., Pittsburgh, Pa., 1907-12.—Asst. Dermatol., J. H. Disp.

Walter Scott Wilson, A. B., N. Ga. Agricult. Coll., 1880; A. M., Univ. of Ga., 1884; Grad. Student, 1893-94, and Univ. of Chicago, 1896-97.—Physician, Savannah, Georgia.

Winfred Wilson, A. B., Weatherford Coll., 1900.—Physician and Surg., Wilson Sanitarium, Memphis, Tex. (45)

1905

Ronald Taylor Abercrombie, A. B., 1901; Resident Physician, Church Home and Infirmary, 1905-06.—Director of the Gymnasium, Instr. School Hygiene, Summer Sch., J. H. U., Asst. Surg., J. H. Disp., and Physician, Baltimore.

Clarence Allen Baer, B. L., Wisconsin, 1900, and S. B., 1901; Michigan, Summer of 1901; Graduate Student, Univ. of Paris, 1905-06; Asst. St. Louis Hospital, Paris, 1906-07; Externe in Dermatol., 1907.—Physician, Milwaukee, Wis.

Leon Kahn Baldauf, A. B., 1901; Asst. Bender Hygienic Laboratory, and Instr. Bact. and Pathol., Albany Med. Coll., Albany, N. Y., 1905-07; Asst. City Pathol., St. Louis, 1907-1910.—Prof. Pathol. and Bact., Univ. Louisville, Ky.

Alice May Ballou (Mrs. George W. Eliot), Ph. B., Brown, 1900, and A. M., 1901; Interne, New England Hosp., Roxbury, 1905-06.—Weston, Mass.

Khleber Heberden Beall, S. B., and M. S., Texas, 1899; Resident House Officer and Asst. Res. Physician, 1905-07.—Member, Texas State B'd Health, and Physician, Fort Worth.

Bertram Moses Bernheim, A. B., 1901; Asst. in Surgery, 1913.—Instr. in Surg., and Surgeon, Balt.

Kosciusko Walker Constantine, A. B., 1901, Graduate Student, Vienna and London, 1905-07.—Prof. Ophthalmol., Grad. Sch. of Med., Univ. of Ala., Oculist, Hillman and St. Vincent's Hosps., Ophthal. Surg., Birmingham, Ala.

Calvin Duvall Cowles, Jr., A. B., Guilford Coll., 1900, and North Carolina, 1901; Interne in Obstetrics, 1905-06.—Capt. Med. Corps, U. S. A., Fort Clark, Texas.

William Dick Cutter, A. B., Yale, 1899; Student, Univ. of Bern, 1900; Interne, French Hospital, N. Y., 1905-06; Asst. Physician, Hosp. Dep. Copper Queen Con. Mining Co., Bisbee, Ariz., 1906-09.—Prof. Physiol., Univ. Ga., Augusta.

Murray Snell Danforth, A. B., Bowdoin, 1901; Interne, R. I. Hospital, Providence, 1906-08.—Surg., Dept. Ortho. Surg. and Asst. Pathol. Radiographic Work, R. I. Hosp.; Asst. Ortho. O. P. D. Mass. Gen'l Hosp., and Physician, Providence.

Otho Lee Dascombe, A. B., Bowdoin, 1901; Resident Physician and Surg. Externe, Waltham Hospital, Mass., 1905-08.—Asst. Phys., *ibid.;* Visit'g Phys. Waltham Baby Hosp., and Physician, Waltham, Mass.

Howard Irving Davenport, A. B., Hamilton, 1901, and A. M., 1904; Instr. Bacteriology and Pathology, Syracuse Univ. Med. Sch., Syracuse, N. Y., 1905-06; County Bacteriol., Ont. Co. Lab., Canandaigua, N. Y., 1906-09.—Physician and City Bacteriol., Auburn, N. Y.

Homer J. Davidson, S. B., Wabash, 1899, and A. M., 1910; Resident Physician, Seattle General Hospital, Wash., 1905-06.—Asst. Med. Health Officer, and Physician, Seattle.

Solon Arthur Dodds, Ph. B., Wesleyan (Conn.), 1901; Interne in Obstetrics, and Asst. Res. Gynecologist, 1905-07; Physician, Salisbury, N. C., 1907-10.—Asst. in Obstetrics, and Physician, Baltimore.

Charles Edward Dowman, Jr., A. B., Emory, 1901; Student, Vanderbilt, 1901; Path. Inst. Charlottenburg Krankenhaus, Berlin, 1905-06; Vol. Asst. Univ. Chirurg. Klin., Breslau, 1906-07; Clin. Clk., Nat. Hosp. for Paralytics and Epileptics, London, 1907; Pathol. Hillman Hosp., 1911-13; Prof. Pathol.. B'ham Med. Coll., 1911-13; Surg., A. B. and A. R. R. and Sec. and Treas. Jeff. Co. Med. Soc., Chief Surg., O. P. D., St. Vincent's Hosp., Neurol. Surg., Hillman Hosp., and Surg., Birmingham, Ala.

John Augustine English Eyster, S. B., Maryland Agricultural, 1899; Gradu-

ate Student, 1899-01; Fellow, Asist., Instr. and Assoc. in Physiol., 1905-08; Prof. of Pharmacol., Univ. of Virginia, Charlottesville, 1908-10.—Prof. Physiol., Univ. Wis., Madison.

Clifton Maupin Faris, A. B., Leland Stanford, Jr., 1900; Resident House Officer, 1905-06; Asst., Dr. H. A. Kelly's Sanitarium (Balt.), 1906-07.—Surgeon, Sacramento, Cal.

Frederick Reynolds Ford, S. B., Colgate, 1901; Resident House Officer, 1905-06; Pathol., St. Luke's Hosp., Deputy Health Officer and Physician Utica,, N. Y.

Allen Wier Freeman, S. B., Richmond, 1899; Graduate Student, 1900-1901; Interne, Newark City Hospital, N. J., 1905-06.—Asst. Com. Health, State of Va., Richmond.

Philip Kingsnorth Gilman, A. B., Leland Stanford Jr., Univ., 1901; Assistant in Operative Surgery (H. L.), and Asst. Res. Surgeon, 1905-07; Assoc. Prof. and Prof. Surg., Philippine Gen'l Hosp., 1907-12.—Assoc. Prof. Pathol., Coll. Med. and Surg., Univ. of Philippines, Manila, P. I.

Sarah Mabel Grier (Mrs. C. B. Lesher), A. B., Bucknell, 1901, and A. M., 1904; Resident Physician, Syracuse Hospital, N. Y., 1905-06.—Med. Missionary, Amer. Baptist Mission, Swaton, China.

Edith Hale (Mrs. W. B. Swift), A. B., Radcliffe, 1901; Interne, New England Hospital, Roxbury, 1905-06; Grad. Student, Berlin, Ger., 1908-10.—Asst. Attend. Phys., N. Eng. Hosp. and Disp., and Physician, Boston.

*Francis Jenks Hall, A. B., Yale, 1899; Interne, Methodist Episcopal Hosp., Philadelphia, 1905-06.—Med. Missionary, and Instr. in Med., Union Med. Col., and Woman's Med. Coll., Peking, China. (Died, May, 1913.)

Julius Theodore Haller, S. B., Chicago, 1901; Grad. Student, Vienna, Austria, 1910.—Physician, Davenport, Iowa.

Helen Hempsted, A. B., Allegheny Coll., 1900; Cornell, 1900-01; Interne, N. Y. Infirm., 1905-06; Asst. Physician, Babies' Hosp., N. Y., 1906-07.—Physician, Cleveland, O.

Thomas Norval Hepburn, A. B., Randolph-Macon, 1900, and A. M., 1901; Interne, The Hartford Hospital, Conn., 1905-07.—Asst. Surg.. Hartford Hosp., and Physician, Hartford.

Reuben Paul Higgins, A. B., Cornell, 1902, and Med. Dept., 1900-02.—Ophthalmol., Cortland Hosp., and Physician, Cortland, N. Y.

Donald Russell Hooker A. B., Yale, 1899 and M. S., 1901; Graduate Student, Berlin, 1905-06; Asst. Instr. and Assoc. in Physiology, 1906-10.—Associate Professor.

Henry Spenser Houghton, Ph. B., Ohio State, 1901; Asst. Rockefeller Institute for Med. Research, N. Y., 1905-06; Physician, Wuhu Gen'l Hosp., China, 1906-11.—Prof. Trop. Med., Harvard Med. Sch. of China, Shanghai.

Henry Marshall Lankford, A. B., Western Maryland, 1901, and A. M., 1905; Supt, and Res. Surg. Evergreen Pl. Hosp., Leavenworth, Kans., 1905-07.—Physician, Princess Anne.

George Bilton Lawson, A. M., Randolph-Macon, 1899; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-07.—Physician, Roanoke, Va.

Eugene Joseph Leopold, A. B., 1901, Graduate Student, Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Grad. Student, London, 1905-07.—Physician, Jewish Hosp. for Consumptives, Asst. Visit'g Phys. to Hebrew Hosp. Asst. Physician and Asst in Med., and Physician, Balt.

David Marine, A. B., Western Maryland, 1900; Graduate Student, 1900-01; Resident Pathologist, The Lakeside Hospital, Cleveland, 1905-06; Demonstr. Neuropath., 1906.—Asst. Prof. Exp. Med., Western Reserve Univ., and Physician, Clevland.

Henry Augustus Martelle, A. B., Bowdoin, 1901; House Officer, Hartford Hosp., Conn., 1905-07.—Physician, Hartford, Conn.

Archibald Leete McDonald, A. B., North Dakota, 1901; Asst. Prof. in charge of Anat., Univ. of North Dakota, and Physician, Grand Forks, 1905-11.—Physician, Duluth, Minn.

Arthur William Meyer, B. S., Wisconsin, 1898; Assistant and Instr. in Anatomy, 1905-07; Asst. Prof Anat., Univ. of Minn., Minneapolis, 1907-08; Prof. Anat., N. W. Univ. Med. Sch., Chicago, 1908-09. — Prof. Human Anat., Stanford Jr. University, Stanford Univ., Cal.

William Lorenzo Moss, S. B., Georgia, 1901; Resident House Officer and Asst. Physician, J. H. Disp., 1905-07; Grad. Student, Berlin, 1907; Instr. in Med., in charge Research Lab., Phipps Disp., 1908-10.—Assoc. in Med. and Asst. Res. Physician.

Eugene Bishop Mumford, S. B., Wisconsin, 1901; Res. Physician, Children's Hosp., Boston, 1905-06; Interne, Governeur Hosp., N. Y., and Ship Surg., Booth Steamship Co., 1906-08.—Director, Bureau Contag. Diseases, City Board Health, 1908-12; Physician, Children's Aid Assn.; Visit'g Pediatrician, City Hosp.; Asst. Clin. Pediatrics, Ind. Univ. Sch. Med., and Physician, Indianapolis.

James Edgar Paullin, Jr., A. B., Mercer, 1900, Graduate Student, 1900-01; Res. Pathologist, R. I. Hospital, Providence, 1905-06; Asst. Prof. Pathol., Atlanta Coll. P. and S.; Pathol., Ga. State Bd. Health, 1907-11; Asst. Visit'g Physician, Grady Hosp.; Adj. Prof. Med., Atlanta Med. Coll., and Physician, Atlanta, Ga.

George Edward Rehberger, A. B., 1901;

Jr. Asst. Craig Colony for Epileptics, Sonyca, N. Y.; 1906-09.—Physician, Ymir, B. C., Cana.

Edward Henderson Richardson, A. B., Hampden-Sidney, 1900; Graduate Student, J. H. U., 1900-01; Resident House Officer, Asst. Res. and Res. Gynecol. and Instr., 1905-12.—Assoc. in Gynecol. and Physician, Baltimore.

Charles Ricksher, S. B., Parsons Coll. (Ia.), 1901, M. S., 1905; Clin. Asst., Sheppard and Enoch Pratt Hospital, Towson, 1905-06; Student, Munich and Zürich, 1906-07; Asst. Physician, Danvers State Hosp., Hathorne, Mass., 1907-10; Chief of Clinic, Neurol. Institute, N. Y. City, 1910-11; Asst. in Clinical Psychiatry, Manhattan State Hosp., Ward's Island, N. Y., 1911-12.—Asst. Physician, Kankakee State Hosp., Hospital, Ill.

Martin Phillip Rindlaub, Jr., B. L., Wisconsin, 1896; Chicago, 1897 and 1900; Berlin, 1900-01. — Oculist, Fargo, N. D.

Francis Peyton Rous, A. B., 1900; Resident House Officer, 1905-06; Instr. in Pathol., Univ. of Mich., Ann Arbor, 1906-08; Asst. and Assoc., Rockefeller Inst., 1909-12.—Assoc. Member in Pathol. and Bact., The Rockefeller Inst. for Med. Research, N. Y.

Oscar Menderson Schloss, S. B., Alabama Polytechnic, 1901; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-07; Res. Physician, Nursery and Child's Hosp., N. Y., 1907-8.—Asst. Attend. Pediatrist, N. Y. Nursery and Child's Hosp., and Asst. Attend. Phys., Willard Parker and Riverside Hospitals; Instr. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll. and Physician, N. Y.

Robert Barnard Slocum, Ph. B., Rochester, 1900, and Graduate Student, 1900-01; Resident House Officer, 1905-06; Supt., Walker Mem. Hosp., Wilmington, 1906-08.—Surgeon, Wilmington, N. C.

Lewis Frederick Smead, A. B., Wooster, 1901; Summer Sch., Wisconsin, 1901; Senior Resident Physician, Union Protestant Infirmary, Baltimore, 1905-07.—Surg., St. Vincent's and Toledo Hospitals, and Physician, Toledo. O.

Charles Walter Stone, A. B., Washington and Jefferson, 1901, and A. M., 1904; Interne and Res. Phys., Lakeside Hosp., Cleveland, 1905-08; Demonst'r in Med., West. Reserve, 1908; Grad. Student, Berlin, Paris, London, 1908-09; Instr. Nerv. Diseases, Western Reserve, 1909, and Lect. and Asst. Prof. of Nervous Diseases, 1910-12.—Visit'g Neurol. Cleveland City Hosp.; Physician in charge Disp. for Nervous Diseases, and Visit'g Neurol., Lakeside Hosp.; Visit'g Pathol. Huron Road Hosp., and Physician, Cleveland.

Caroline Benson Towles, A. B., Woman's College of Baltimore, 1893; Graduate Student, Prague, 1905-06.—Asst. in Pediatrics, and Physician, Baltimore.

Douglas Vander Hoof, B. L., Dartmouth, 1901, and A. M. (Hon.), 1907; Resident House Officer, 1905-06.—Assoc. Prof. Clin. Med., Med. Coll. of Va., Attend. Phys., Mem. Hosp.; Consult. Phys., Johnston Willis Hosp., and Physician, Richmond, Va.

George Hoyt Whipple, A. B., Yale, 1900; Assistant and Assoc. in Pathology, and Asst. Res. Pathol., 1905-10; Pathologist, Ancon Hosp., C. Z., 1907-08.—Assoc. Prof. of Pathol. and Resident Pathologist.

Harry Isaac Wiel, A. B., Leland Stanford Jr., 1900; Student, Harvard, 1901; Resident House Officer, 1905-06.—Asst. in Med., San Francisco Polyclinic, and Mt. Zion Hosp., and Physician, San Francisco.

Hiram LaMont Youtz, Ph. B., Brown, 1900, and A. M., 1901; Member of Staff, Moline City Hosp.; Lect. Anat., City Hosp.; Sec., Rock Island Co. Med. Soc., and Physician, Moline, Ill., 1905-08.—Physician, Willow City, N. D.

Lawrence Joseph Rhea, S. B., Texas, 1901.—1st Asst. in Pathol., City Hosp., Boston; Instr. in Pathol., Harvard. (*Degree conferred, February* 22, 1906.)

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1906

Henry Adsit, A. B., Princeton, 1902; Non-resident Surgeon, St. James' Hosp., Hornells, N. Y.—Surgeon, Buffalo, N. Y.

Frank C. Ainley, S. B., Drake, 1902; Resident House Officer, 1906-07; House Physician, Lakeside Hosp., Cleveland, 1907-08; Asst. Res. Obstetrician, 1908-09; Asst. in Obstet. and Res. Obstetrician, 1909-10.—Physician, Los Angeles.

Vivia Belle Appleton, A. B., Cornell, 1901, and Med. Dept., 1901-02; Interne, N. Eng. Hosp. for Women and Children, and Grad. Student, Harvard, 1906-07; Graduate Student, London and Berlin, 1907-09; Interne, Babies' Hosp., New York, 1909-11; Grad. Student, Enfants Malades, Paris, 1911-1912.—Physician, Tama, Ia.

Frederic Wolcott Bancroft, A. B., Leland Stanford Jr., 1902; Interne, The Roosevelt Hosp., N. Y., 1906-08; Interne, The Sloane Maternity Hosp., N. Y., 1908-09.—Asst. Surg. O. P. D. Presbyterian Hosp.; Deputy Surg. O. P. D., N. Y. Hosp.; Clin. Asst. G.-U., Vanderbilt Clinic, and Physician, New York.

Herschel Winston Bass, S. B., Alabama Polytechnic, 1901, and M. S., 1902; Graduate Student, Berlin, 1906-07.—Physician, Gadsden, Ala.

Francis Cooke Beale, S. B., Texas, 1902; Resident House Officer, 1906-07.—Surgeon, Ft. Worth, Tex.

Edward Bailey Beasley, A. B., 1902; Dr. P. H., Harvard, 1911; Resident Physician, The Leigh Hosp., Norfolk, Va., 1906; Interne, Willard Parker Hosp. (N. Y. Health Dept.), and Asst. Surg., Woman's Hosp., N. Y., 1907.—Physician, Baltimore.

Henry Beeuwkes, A. B., 1902; House Physician and Surg., Hudson St. Hosp., N. Y., 1906-07; House Surg., N. Y. Hosp., 1907-09.—Capt. Med. Corps, U. S. Army, Manila, P. I.

Julian Raymond Blackman, A. B., Nebraska, 1902; Assistant in Physiol., Wisconsin, Madison, 1906-08; Physician, Hastings, Neb., 1908-09; Asst. Res. Gynecologist, 1909-10; Resident, Dr. Kelly's Private Hosp., Baltimore, 1910-12.—Physician, Hastings, Neb.

Phoebe May Bogart (Mrs. Van Voast), A. B., Wellesley, 1902; Interne, Woman's Hosp., Detroit, until Jan., 1907; Interne, Syracuse Hosp., N. Y., 1907-08.—Asst. Children's Div. Presbyterian Hosp. Disp.; Phys. Milk Sta., N. Y. Diet Kitchen Assn., and Physician, New York.

Edwards Bennett Brown, A. B., Beloit, 1901; Wis. Coll. P. and S., 1901-03.—Physician, Beloit, Wisconsin.

Louis Herbert Burlingham, A. B., Yale, 1902; Med. House Officer, Mass. Gen'l Hosp., 1906-07; Asst. Res. Phys., Mass. Gen'l Hosp., Boston, 1907-11.—Asst. Supt., Peter Bent Brigham Hosp., Boston.

Charles Metcalfe Byrnes, S. B., North Carolina, 1902; Adj. Prof. of Anatomy, Virginia, Charlottesville, 1906-09.—Instr. in Neurology, and Physician, Baltimore.

John Roberts Caulk, A. B., St. John's, 1901; Georgetown, 1901-02; Interne and 2nd Asst. Res., Union Protestant Infirmary, 1906-07; Asst. Res. Surg., J. H. H., 1908-09; Asst. to Dr. Young, 1909-10.—Instr. G.-U. Surg., Wash'g University, Editor Interstate Med. Jour. and Surgeon, St. Louis.

Franklin H. Church, A. B., Hamilton, 1902, and A. M., 1905; Interne, Utica General Hosp., 1906-07.—Asst. Gynecol., Utica Gen'l Hospital Hosp., Deputy Health Officer and Physician, Utica, N. Y., Physician in charge Univ. Penna. Expedition to S. Amer.

Oren Howard Cobb, A. B., Harvard, 1902; Clin. Asst. Med., N. Y. P.-G. Hosp., 1906-07; Med. Inspect. Div. Child Hygiene, Dept. Health, N. Y., 1907-08; Res. Phys., N. Y. State Hosp. for Care of Crippled and Deformed Children, W. Haverstraw, N. Y., 1909-12.—Supt., Syracuse State Inst. for Feeble-minded Children, Syracuse.

T. Homer Coffen, S. B., Penn., 1901, and M. S., 1905.—Instr. Clin. Pathol.; Asst. in Med., Cornell Univ. Med. Coll.; Asst. Visit'g Phys., Bellevue Hosp., O. P. D., Asst. Visit'g Phys. and Instr. in Medicine, the N. Y. Post-Graduate Hospital and Med. Sch., and Physician, N. Y., 1906-1913.—Physician, Portland, Ore.

Herbert Phalon Cole, A. B., St. Lawrence, 1901; Student of Medicine, Minn., 1901-02.—Assoc. Prof. Gynecol., Univ. Ala., and Gynecol., City Hosp. and Mobile Infirm., and Surgeon, Mobile.

Egerton Lafayette Crispin, Ph. B., Illinois, 1902; Res. Pathol. and Physician, Penn. Hosp., Phila., 1906-10.—Physician, Santa Monica, Cal.

Ernest Samuel Cross, A. B., Dartmouth, 1901; Resident House Officer, 1906-07; Res. and Asst. Attend. Physician, Telfair Hosp., Savannah, Ga., 1908-09; Med. Dir. and Chief of Staff, *ibid.*, 1910.—Physician in charge, Aiken Cottage Sanatorium, and Physician, Aiken, S. C. (Nov. to May).

Victor Francis Cullen A. B., Rock Hill, 1902, A. M., 1906; Res. Surgeon, St. Joseph's Hosp., Baltimore, 1906-08.—Supt., Md. Tuberculosis Sanatorium, State Sanatorium.

Gaston Day, S. B., Florida State, 1902; The New York Lying-in Hosp. (until Nov., 1906); House Surgeon, St. John's Riverside Hosp., Yonkers, N. Y., 1906-07.—Physician, Jacksonville, Fla.

Richard Nixon Duffy, A. B., North Carolina, 1902; Resident House Officer, 1906-07.—Physician, New Bern, N. C.

Francis Fisher Ebersole, A. B., Cornell Coll., 1902; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1906-08.—Physician, Mt. Vernon, Ia.

Eugene Price Gray, A. B., North Carolina, 1902; Interne, James Walker Memorial Hosp., Wilmington, N. C., 1906-07.—Supt., Health, Forsyth Co., and Physician, Winston-Salem, N. C.

Herbert Lee Gray, A. B., Colby, 1902; Interne, Lying-in Hosp., N. Y. (4 mos.); Interne, Kingston Ave. Hosp., Dept. of Health, Brooklyn, N. Y., 1906-07.—Deputy Surg., N. Y. Hosp.; Clin. Asst., G.-U. Dept., N. Y. Polyclinic Hosp.; Chief Clin., G.-U. Diseases, Demmilt Disp., and Physician, N. Y.

Franklin Webb Griffith, A. B., Western Maryland, 1902, and A. M., 1905; Externe in Gynecology, 1906-07; Asst. Resident and Act. Res. Gynecologist, 1907-11.—Surg. to Biltmore Hosp., and Surg., Asheville, N. C.

Arthur Heywood Griswold, A. B., Harvard, 1902; Interne, The Hartford Hospital, Conn. 1906-08.—Physician, Hartford Tub. Disp., Asst. Pathol. and Bact., Hartford Hosp., and Phys., Hartford, Conn.

Henry Honeyman Hazen, A. B., 1902; Externe in Dermatol.; Chief Clinic, Freedman's Hosp., and Instr. Clin. Micpy., Howard Med. Sch., 1906-09.—Asst. in Dermatol., J. H. U.; Clin. Prof. Dermatol., Howard and George-

town Universities; Visit'g Dermatol., Freedmen's Hosp. and Georgetown Univ. Hosp., and Physician, Washington, D. C.

Henry Frederick Helmholz, S. B., Wis., 1902; Summer Quarter, Chicago, 1902; Fellow in Pathology, 1906-1907; Voluntär A t., Children's Clinic, Berlin, 1907-09.—Asst. Prof. Pediatrics, Rush. Med. Coll.; Res'ch Asst. Otho. S. A. Sprague Mem. Inst.; Attend Phys., St. Joseph and Child Hospitals; Med. Dir., Infant Welfare Soc., and Physician, Chicago.

Charles William Hennington, S. B., Rochester, 1902; Res. House Officer, and Asst. in Surg. Path., 1906-08.—Surg. O. P. D. Rochester Gen'l Hosp. and Rochester State Hosp. Assoc.; Editor *Buffalo Med. Journal,* and Surgeon, Rochester, N. Y.

Minerva Herrinton, A. B., Cornell, Ia., 1900; Graduate Student, Lewis Inst. (Chicago), 1902; Physician, Evening Dispensary for Women and Children, Baltimore, 1906-08.—Physician, Phila.

Joseph Henry Hewitt, A. B., North Carolina, 1899, and Med. Dept., 1901-02; Harvard Summer, 1902; Res. Pathologist, Charity Hosp., 1906-07, Lakeside Hosp., 1907-08; Demonst'r, Pathol., Univ. Minn., 1909-10; Pathol., Ga. State Sanitarium, Milledgeville, 1910-11; Pathologist, St. Joseph and Children's Mem. Hospitals, Chicago, 1911-12.—Prof. Pathol. and Bact., Baylor Univ., Dallas. Texas.

Frank Hinman, A. B., Leland Stanford, Jr., 1902; Lab. Asst. to Dr. Bloodgood, J. H. H., 1906; Res. Surg., St. Luke's Hosp., Spokane, Wash., 1907-08; City Bacteriol., Spokane, Wash., 1910-12.—Asst Res. Surgeon.

Josephine Drummond Hunt, A. B., Kentucky, 1899, and A. M., 1902; Interne, Hospital for Women and Children, Syracuse, N. Y., 1906-07; Summer Interne, Babies' Hosp., N. Y., 1909.—Obstetrician, Good Samaritan Hosp., and Physician, to House of Mercy, Clin. Asst. Tub. Disp., and Physician, Lexington, Ky.

Elliott H. Hutchins, A. B., St. John's, 1902; and A. M., 1906; Interne, Church Home and Infirmary, Balt., 1906-07; Res. Surg., Lakeside Hosp., 1907-08.—Physician, Balt.

Clarence B. Ingraham, Jr., Ph. B., Yale, 1902; Interne in Obstetrics, 1906-07; Asst. Dr. Kelly's Sanitarium, Baltimore, 1907-09.—Instr. in Obstetrics, Univ. of Colo.; Obstet., St. Luke's Hosp.; Gyn., Mercy Hosp.; Med. Reserve Corps, U. S. A., and Physician, Denver, Col.

Lawrence Lee Iseman, Ph. B., Lafayette, 1902; Senior Resident, Kensington Hosp. for Women, Phila., 1906-08.—Clin. Asst. in Surg.,N. W. Univ. Med. Sch.; Asst. Surg., Ill. Cent. R. R., and Physician, Chicago.

William Finney Kellam, A. B., Randolph-Macon, 1902.—Physician, Onley, Va.

Eugene Robert Kelley, A. B., Bowdoin, 1902; Interne, Carney Hosp., Boston, 1906-07—State Comm. Health and Physician, Seattle, Wash.

John Hendricken King, A. B., 1899, and Grad. Student, 1899-02; Vol. Asst. and Asst. in Med., 1906-08; Instr. and Assoc. in Pathology, 1908-13.—Instr. in Medicine.

Mary Barker Kingsbury, A. B., Wellesley, 1899; Harvard, Summer School, 1899; Interne, The Babies' Hosp.. Nee York, 1906-07.—Probation Officer for Female Probationers, Co. of Schuylkill and Physician, Pottsville, Pa.

Wilhelm Edmund Harmon Krechting, A. B., Princeton, 1902; Asst. House Surg., N. Y. Lying-in Hosp., 1906-07; House Surg., J. Hood Wright Mem. Hosp., N. Y., 1907-09.—Physician, Washington, D. C.

Harry Leslie Langnecker, A. B., Leland Stanford Jr., 1901; Res. House Officer, 1906-07; Orth. House Officer, Mass. Gen'l Hasp., 1908; Asst. Orthoped. Surg., Mass. Gen'l Hosp., 1909-11.—Asst. Res. Phys., *ibid.,* and Physician, Cambridge.

Andre Edward Lee, A. B., Leland Stanford, Jr., 1902; Passed Asst. Surgeon, U. S. N., Mare Island Hosp., Calif., 1906-07; Naval Hospital, Canacao, P. I., 1907-08; Cruising Asiatic Sta., 1909; Mare Is. Hosp., Cal., 1910; P. A. Surg., U. S. N., Navy Recruit'g Sta., Buffalo, N. Y., 1910-12.—Surgeon, Amer. Legation Peking, China.

Joseph Stocking Lewis, A. B., Canisius, 1902; Graduate Student, Cornell, Summer, 1902; Interne, German Hospital, N. Y., 1906-09.—Asst. Surg., Children's Hosp., and Attend. Gynecol., Buffalo Sister of Charity Hosp., and Physician, Buffalo, N. Y.

David Israel Macht, A. B., 1902; Harvard Summer Sch., 1903, 1904 and 1905; Vol. Asst., Klinik, Prof. Landau, Berlin, and Graduate work in Europe, 1906-07; Externe, Med. and Phipps Dispensaries, 1908-09; Asst. in Gynecol., Hebrew Hosp., 1908-10; Asst. in Med., 1908-13.—Gynecol., Jewish Hosp. for Consumptives; Instructor in Medicine, Cononer, N. W. Dist., and Physician, Baltimore.

George Marsden, Ph. B., Brown, 1900.—Physician, New Bedford, Mass.

Enoch Marvin Mason, S. B., Alabama Polytechnic, 1900, and M. S., 1901; Resident House Officer, 1906-07; Ala. State Bact. and Pathol., 1908-11.—Phys., St. Vincent's Hosp. Clinic and Jeff. Co. Anti-Tubercul. Associa'n; Physician, Hillman Hosp., and Physician, Birmingham, Ala.

Carl R. Meloy, A. B., Wittenberg, 1902, and A. M., 1905; Instr. in Pathol., Univ. of Virginia, 1906-07; Asst. in Pathol, and Asst. Resident Pathol., and Pathol., City Detention Hosp., Bay View, 1907-08; Adj. Prof. Pathol., Univ. of Va., Charlottesville. 1908-10.—Pathol. and Director of

Lab'y, Detroit Gen'l Hosp., and Physician, Detroit, Mich.

Robert Emory Moore, A. B., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-08.—Asst. Visit'g Surg., Samaritan Hosp., and Kings Co. Hosp. and Allied Hospitals of Brooklyn, and Physician, Brooklyn; Clin. Asst., G.-U. Diseases, L. I. Coll. Hosp.

Arthur Henry Morse, A. B., Tufts, 1902; Harvard Medical Sch., Summer of 1903; Res. Pathol., R. I. Gen'l, Providence, 1906-07; Asst. Res. Obstetrician, 1907-08; Asst. Res. Surg., U. P. Infirm., 1908-09; Asst. Res. Obstet., 1909-10; Res. Obstetrician and Instr. in Obstetrics, 1910-11; Res. Surg., U. P. Infirmary, 1912-13. —Instr., Obstet. and Gynecol., Univ. of Calif., San Francisco.

Agnes Gordon Murdoch, A. B., Woman's Coll. of Balto., 1902; Interne, New Eng. Hosp., Roxbury, Mass., 1906-07.—Med. Missionary Hwai Yuen via Nanking, China.

Marie Eleanor Nast (Mrs. W. B. Wherry), A. B., Womans' Coll. of Balto., 1902; Chicago, 1902-03.—Cincinnati, O.

John Francis Ortschild, A. B., Leland Stanford, Jr., 1899; Asst. in Operative Surgery (H. L.), 1906-07; Asst. Res. Surg., 1907-08.—Portland, Ore.

Robert Patek, S. B., California, 1901; Interne, City and Co. Hosp. S. F., 1906-07. — Asst. Surg., Emergency Hosp., and Physician, San Francisco.

Isaac Rosenbaum Pels, A. B., 1902; Interne, The Jewish Hosp., Phila., 1906-07; Externe in Medicine, 1907; Interne, U. P. I., 1908.—Surg., Out-Pat. Dept., Hebrew Hosp., Asst. in Dermatol., and Physician, Baltimore.

Damon Beckett Pfeiffer, A. B., Princeton, 1902; Interne, The German Hosp., Phila., 1906-09; Pathol., German Hosp.; Director, Clin. Lab., Presbyterian Hosp.; Instr. Surg., Univ. of Penna.; Asst. Surg., Univ. Hosp. and Out-Patient Dept., German Hosp., and Physician, Philadelphia.

Benjamin Swayne Putts, A. B., 1902; Res. Physician, Allegheny Gen'l Hosp., Pa., 1906-07; Physician, Mass. State Sanatorium, Rutland, 1907-08; Deputy Med. Director, Penna. State So., Mt. Sanatorium, Mont Alto, Pa., 1909-11. Physician, Erie, Pa.

Ralph R. Rea, S. B., Iowa State, 1899. —Physician, Los Angeles, Calif.

Francis Hamilton Redewill, S. B., California, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1906-07; Asst. Surg., Ft. Bayard, N. M., 1907-08; Student, Paris, 1910-11; Asst. Chief Surg., Randolph R. R. Lines; Phys. and Surg., Phoenix, Ariz.

Richard Frederic Lot Ridgway, A. B., Princeton, 1898, and A. M., 1902; Res. Physician, Harrisburg Hospital, Pa., 1906-07.; Disp. Surg. and Anaesthetist, Harrisburg Hosp., 1907-12.—1st Asst. Phys., Penna. State Lunatic Hosp., Harrisburg.

Henry Camp Russ, A. B., Yale, 1902; Res. Pathologist, The Lakeside Hosp., Cleveland, O., 1906-07; Asst. Supt., *ibid.*, 1907-08.—Physician in charge Lab., Charter Oak Private Hosp., and Physician, Hartford, Conn.

Harold Payne Sawyer, S. B., Alabama, 1902; Asst. in Pathol., Bender Hygienic Lab. and Instr. in Pathol. and Bacteriol., Albany Med. Coll., N. Y., 1906-08; Instr. Pathol., Univ. and Bellevue Hosp. Med. Sch., 1908-09.—Asst. Pathol., Samaritan Hosp.; Pathol., Leonard Hosp.; Instr. in Clin. Micpy., Albany Medical Coll., and Physician, Troy, N. Y.

Edwin Henry Schorer, S. B., Wisconsin, 1902; Ph. D., Harvard, 1912; Rockefeller Inst. for Med. Research, N. Y., 1906-07; Instr. in Pathol. and Bacteriol., Univ. of Missouri, Columbia, 1907-08; Asst. Prof. Parasitology and Hygiene, *ibid.*, 1908-09; Asst. Prof. Bact. and Path., Univ. of Kansas, Lawrence, 1909-10; Special Investigator, Dept. Preventive Med. and Hygiene, Harvard Med. Sch., Boston, 1910-12.—Pediatrist, Kansas City, Mo.

*Lamar Seeley, A. B., Williams, 1902. —Interne, St. Luke's Hosp., New York, 1906-07.

Ralph Berger Seem, Ph. B., Lafayette, 1902; Senior Res. Physician, St. Luke's Hosp., South Bethlehem, Pa., 1906-08; Supt., J. Walker Mem. Hosp., Wilmington, N. C.—Director of Dispensary and Asst. Supt., J. H. H.

Frank Joseph Sladen, A. B., Yale, 1902; Resident House Officer and Asst. Res. Physician in charge Md. Bacteriol. Lab.; Asst. in Med., 1906-08; Instr. in Med. and Asst. Res. Physician, 1908-10; Assoc. in Med. and Res. Physician, and Med. Adviser to the Students, 1910-13.—Chief, Medical Clinic, Detroit Gen'l Hosp., Detroit, Mich.

Harry Gordon Sloan, A. B., Washington and Jefferson, 1902; Res. Surg., The Lakeside Hospital, Cleveland, 1906-09. —Demonst'r, Surg. Physiol., West. Res. Med. Dept., and Physician, Cleveland.

Harvey Brinton Stone, A. B., 1902; Res. House Officer, 1906-07; Adjunct Prof. of Surg., Univ. of Virginia, Charlottesville, 1907-10.—Asst. in Surg., Coll. P. and S.; Chief Surg., Md. Casualty Co.; Instructor in Surgery, Asst. Surg., and Surgeon, Baltimore.

Solomon Strouse, A. B., 1902; Res. House Officer, 1906-07; Physician, O. P. D. Hebrew Hosp., 1907-09.—Assoc. Pathol. and Attend. Phys., Michael Rees Hosp., 1909-12.—Med. Director, Chicago-Winfield Tuber. Sanatorium, Instr. Clin. Med., Coll. of Med., Univ. of Ill., and Physician, West Side Disp., Chicago.

Henry Clarke Thacher, A. B., Yale, 1902, M. S., 1904, and Med. Dept., 1902-03; House Officer, Bellevue Hosp., N. Y., 1906-08; Dr. Thayer's Asst., J. H. H., 1909-10.—Instr. in Med., Columbia Univ., N. Y.; Asst. Visit'g Phys., Seton Hosp.; Attend. Phys., Vanderbilt Clinic and Lincoln Home, and Physician, N. Y.

Philip Pickering Thompson, A. B., Dartmouth, 1902; Med. Sch. of Maine, 1902-03; Interne, Carney Hospital, Boston, 1906-07.—Instr. Gynecol., Med. Sch. of Me., Adj., G.-U. Surg., Me. Gen'l Hosp., and Physician, Portland.

Harry Norton Torrey, S. B., Knox, 1900; Med. Dept., Mich., 1901-05, and A. M., 1905; Asst. in Bacteriol., 1904-05; Rockefeller Fellow, Univ. of Mich. Summer of 1906.—Director, Gen'l Surgery, Detroit Gen'l Hosp., Detroit, Mich.

Willis Willard Waite, S. B., Wisconsin, 1902; Pathological Interne, City Hospital, Blackwell's Island, N. Y., 1906-07; Bacteriol., N. Y. City Dept. Health, 1907, Bureau of Health and St. Joseph's Hosp., and Physician, Syracuse N. Y.—Director, El Paso Med. Lab., El Paso, Texas.

Harold Randall Webb, A. B., Bowdoin, 1902; Resident Physician, City Hosp., Waltham, Mass., 1906-08.—Physician, Arlington, Mass.

George Howard White, Jr., A. B., Princeton, 1902; Resident House Officer, 1906-07; Pathol., General Hosp., and Physician, Charleston, W. Va.

Frederick Petheram Wilbur, A. B., Williams, 1902; Interne, City Hosp., Blackwell's Island, N. Y., 1906-07.—Physician, Franklin Furnace, N. J.

Nannie Lee Winn, A. B., Woman's Coll. of Balto., 1900.—Physician, Clayton, Ala.

John Arthur Winter, A. B., Michigan, 1902; Interne, The Lakeside Hospital, Cleveland, 1906-07; Physician and Surg., Calumet and Hecla Mining Co. Hosp., Calumet, Mich., 1907-08; Grad. Student in Europe, 1908-09; House Surgeon, Ill. Charitable Eye and Ear Infirmary, Chicago, 1909-10.—Physician, Duluth, Minn.

Gilman Joseph Winthrop, A. B., Univ. of the South, 1902; Interne, Gouverneur Hosp., New York, 1906-08.—Demonst'r, Surg. and Pathol., Univ. of Ala., and Surgeon, Mobile.

Benjamin Edgar Wolfort, S. B., Pennsylvania, 1902, and Med. Dept., 1901-02; Interne, Kingston Av. Hospital, Brooklyn, 1906-07; Interne, Jewish Hosp., Brooklyn, N. Y., 1907-08.—Asst. Orthopedic Surg., Jewish Hosp.; Surg., East N. Y. and Jewish Hosp. Dispensaries, and Physician, Brooklyn.

Samuel Wolman, A. B., 1902.—Instr. in Med. and Asst. Physician, and Physician, Baltimore.

Peregrine Wroth, Jr., A. B., 1902; Res. Physician, Union Protestant Infirmary, Balt., 1906-08.—Surgeon, Hagerstown, Md.

Persis Rosamond Straight, A. B., Smith, 1902.—Physician, Bradford, Pa. (*Degree granted Nov.* 5, 1906).

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1907

Merle Theron Adkins, S. B., Beloit, 1903; Interne, Union Protestant Infirmary, 1907-08.—Physician, Balt.

Francis Merriman Barnes, Jr., A. B., Hamilton, 1903; A. M., 1906; Asst. Phys. and Director Clin. Lab., Sheppard and Pratt Hospital, Towson, 1907-10.—Clinical Director, Gov'mt Hosp. for Insane, Washington, D. C.

Albert Henry Beifeld, A. B., Harvard, 1902; Interne, Michael Reese Hospital, Chicago, 1907-09.—Asso. Attend. Phys., Michael Reese Hosp., and Physician, Chicago.

Edward Grant Birge, S. B., Wisconsin, 1903; Bacteriologist, Back River Disposal Wks., Colgate, Baltimore, 1907-11; Asst. Bacteriol., Penna. R. R. Co., Altoona, Pa., 1911-12.—Instr., Dept. Preventive Med. and Hygiene, *ibid.*

Montague Laffitte Boyd, Ph. B., Emory, 1903; Interne, Walker Mem. Hosp., Wilmington, N. C., 1907-08; Private Asst. to Dr. H. H. Young, 1908-09; Asst. Res. Surg., J. H. H., 1909-10.—Clin. G.-U. Asst., Atlanta Coll. P. and S.; Andrologist, Wesley Mem. Hosp.; G.-U. Surg., Moore Mem. Clinic, and Surgeon, Altanta.

Leverett Dale Bristol. S. B., Wesleyan (Conn.), 1903; Interne, Hartford Hosp., Conn. (summers), 1905-06; Instr. in Pathol. and Bacteriol., Coll. of Med., Syracuse Univ., N. Y., 1907-08; Physician, St. Paul Free Med. Disp.; Assoc. Phys., Univ. Hosp. and Clin. Asst. Med., Univ. Minn.; Med. Director, St. Paul Anti-Tub. Com.; Sec'y, Clin. Sec. Nat. Assn, Study and Prevention of Tuberculosis, and Physician, St. Paul, Minn., 1908-12.—Assoc. Prof. Bact. and Director Bact. Lab., Med. Dept., Syracuse Univ., N. Y.

Chester Timothy Brown, S. B., Rutgers, 1903; Interne, N. Y. City Hospital, 1907-08.—Physician, East Orange, N. J.

Wade Hampton Brown, S. B., Nashville, 1899, Chicago, 1902-03; Interne, Union Protestant Infirmary, Balt. (until Sept. 1, '07); Instr. in Pathol., Univ. of Virginia, Charlottesville, 1907-08; Instr. in Pathol., Univ. of Wisconsin, Madison, 1908-10; Asst. Prof. Pathol., *ibid.*, 1910-11; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1911-13.—Assoc. Pathol. and Bact., The Rockefeller Inst. for Med. Resch., N. Y.

Frederick Dabney Bullock, S. B., Ky.

State Coll., 1899; Interne, German Hosp., N. Y., 1907-08; Asst. Pathol., R. I. Gen'l Hosp., Providence, 1908-1909; Asst. in Cancer Research, Columbia Univ., 1909-13.—Associate in Cancer Research, *Ibid.*

Edward Kimball Burbeck, A. B., Dartmouth, 1903.—Phys., Salem, Mass.

Charles Burnside, Ph. B., Iowa Coll., 1903; Interne, Passavant Mem. Hosp., Chicago, 1907-08.—Physician, Los Angeles, Cal.

Waid Edwin Carson, A. B., Ohio Wesleyan, 1900; Spg. and Summer Qrs., Chicago, 1903; Res. Phys., Allegheny Gen'l Hosp., Pittsburgh, 1907-08.—Physician, Pittsburgh.

James H. Chesnut, A. B., Virginia, 1903; Resident House Officer, 1907-08.—Physician, Hot Springs, Ark.

Eliot Round Clark, A. B., Yale, 1903; Asst. and Instr. in Anatomy, 1907-10. —Associate.

Paul Wiswall Clough, S. B., Wisconsin, 1903; Resident House Officer, 1907-08; Asst. and Instr. in Med. and Asst. Res. Physician, 1908-11; Instr. in Med. in chg. of Biol. Div. of Med. Clinic, and Asst. Res. Phys., 1911-13.—Assoc. in Med., Resident Physician, and Med. Director to Students.

Edwin Charles Cort, A. B., Washington and Jefferson, 1901, and A. M., 1904; Student, West. Penna. Med. Coll., 1901-03; Externe in Medicine, 1907-08.—Med. Missionary, Lakawn, Siam.

Fred Yohn Cronk, S. B., St. John's, 1903, and A. M., 1907; Interne, Lakeside Hosp., Cleveland, 1907-09; Res. Surg., St. Agnes' Hosp., Balt., 1909-10.—Surg. in chief, M. E. Hosp., Guthrie, Okla.

Robert Law Cunningham, A. B., Wabash, 1901; Resident House Officer, 1907-08; Instr., Physiol. and P.-C., Univ. of Calif., 1909-10; Res. Phys., Barlow Sanatorium, 1908-11; Instr. in Med. and Physical Diag., Univ. of Cal., 1910-12.—Attend. Phys., Barlow Sanator'm and L. A. Co. Hosp.; Chief Med. Dept. Selwyn Emmet Graves Disp., Med. Dept. Univ. Cal., and Physician, Los Angeles.

Cline Flemming Davidson, S. B., Wabash, 1900; Illinois, 1901-03; Res. House Officer, 1907-08; Asst. Instr., Physiol., State Univ., Wash., 1908-09.—Chief, City Med. Inspector, Pathol., City Hosp., and Physician, Seattle, Wash.

Paul Herman Dernehl, S. B., Wisconsin, 1903; Volun. Asst., Rostock, Germany, 1907-08; Asst. Ophthal., Clinic, Strassburg, 1908-09.—Physician, Milwaukee.

William Wirt Dinsmore, S. B., Ala. Polytechnic, 1903.—Physician, Decatur, Ala.

Alphonse Raymond Dochez, A. B., 1903; Rockefeller Student in Path. Physiol., J. H. U., 1908; Fellow in Path., Rock Inst. for Med. Res., 1909-10; Bacteriol., the Hosp. of the Rockefeller Inst. for Med. Research, N. Y., 1911.—Asst. Res. Physician, *ibid.*

Robert Weyer Dunlap, A. B., Washington and Jefferson, 1903; Interne, West Penna. Hosp., Pittsburgh, 1907-08.—Med. Missionary, Amer. Presbyterian Mission, Chefoo, Shantung Prov., China.

Dan Hughes DuPree, S. B., Georgia, 1903.—Grad. Student, Vienna, 1911; Exam. Phys., State Tub. Sanitarium; Director of Clinics, Univ. of Ga., Augusta, and Physician, Athens, Ga.

Willis Dew Gatch, A. B., Indiana, 1901; Resident House Officer, 1907-08; Asst. Res. Surgeon and Asst. in Surgery, 1908-11.—Prof. of Surgery, Med. Sch. Univ. of Ind., Indianapolis.

Henry Graber, A. B., Ursinus, 1903; Res. and Chief Res. Phys., Presbyterian Hosp., Philadelphia, 1907-10. —Physician, Royersford, Pa.

Inslee Blair Greene, Ph. B., Yale, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1907-08; Res. Physician, Seattle, Municipal Hosp., 1909. — Physician, Seattle, Wash.

Clyde Graeme Guthrie, A. B., Lafayette, 1903; Resident House Officer, 1907-08; Instr. in Med., 1908-13.—Assoc. in Med., in charge Clin. Lab. and Asst. Res. Physician.

Milton Hahn, A. B., Harvard, 1903; Interne, Mt. Sinai Hosp., New York, 1907-09.—Visit'g and Attend. Pediatrician, Freedman's Hosp. and Geo. Washington Univ. Disp.; Instr. in Pediatrics, Geo. Washington Univ., and Physician, Washington, D. C.

Aleck Perkins Harrison, A. B., Fla. State Coll., 1899; Res. Physician, St. Agnes' Hosp., Balt., 1907-08; Res. Physician, "Camp Greenbrier," Alderson, W. Va. (Summer of 1908); Private Physician, abroad, Summer, 1909; Phys. and Pathol., Springfield State Hosp., Md., 1909-10; Asst. Med. Director, "The N. W. Mutual Life Ins. Co. of Milwaukee"; Physician, Milwaukee, 1910-11.—Physician, Madison, Ind.

Franklin Hazlehurst, Jr., A. B., 1903; Act. Res. House Officer and Externe in Medicine, 1907-08; Volun. Asst., Ear Clinic, Univ. of Strassburg, 1909-10; Asst. Surg. and Chief of Dispensary Clinic, Presbyterian Hosp.; Asst. in Throat and Nose, and Physician, Baltimore.

Ralph Wellington Hellenbrand, A. B., Bowdoin, 1903.—Res. Surg., New York Hosp., N. Y.

Elizabeth Singley Hellweg, A. B., Woman's Coll. (Balt.), 1899.—Asst. Phys., Manhat. State Hosp., Ward's Island, N. Y.

Gladys Rowena Henry, S. B., Nebraska, 1909; Resident House Officer, 1907-08; Asst. Res. Physician. 1908-09.—Assoc. in Path., Rush Med. Coll., and Pathol., Children's Mem. Hosp., Chicago, Illinois.

George Julius Heuer, S. B., Wisconsin,

1903; Resident House Officer and Asst. Res. Surg., 1907-11.—Res. Surg. and Instr. in Surg.

Eben Clayton Hill, A. B., 1903; Graduate Student, Freiburg, Summer, 1904, 1906; Res. Phys., Camp Champlain, Burlington, Vt., 1907-08; Asst. in Anatomy, 1907-08; 1st. Lieut., Med. Reserve Corps, 1908-09; Graduate, Army Med. Sch., 1909; 1st Lieut., 1909-11.—Captain, Med. Corps, U. S. Army, Fort Porter, N. Y.

Charles Lane Hincher, S. B., Rochester, 1903; Interne, Park Ave. Hosp., Rochester, N. Y., 1907-08.—Physician, Rochester, N. Y.

Joseph Gardner Hopkins, A. B., Columbia, 1902; Resident House Officer, 1907-08; Bacteriol. and Asst. Phys., St. Luke's Hosp., 1913; Pathol., Sloane Maternity Hosp., 1910-12.—Instr. in Clin. Pathol., Columbia Univ., N. Y.

Herbert Lester Kelley, A. B., Dartmouth, 1903;; Asst. Surg., U. S. Navy, 1907-10; Passed Asst. Surgeon, U. S. Navy, Washington, D. C.

Allen Kramer Krause, A. B., Brown, 1901, and A. M., 1902, and Graduate Student, 1902-03; Asst. and Instr. in Pathol., 1907-09.—Asst. Saranac Lab. for Study of Tuberculosis, Saranac Lake.

Sally Porter Law (Mrs. Alexius McGlannan), A. B., Bryn Mawr, 1903.—Baltimore.

Bethuel Boyd Vincent Lyon, A. B., Williams, 1903; Res. Physician, German Hospital Phila., 1907-09; Demonst'r in Med., Jeff. Med. Sch., 1909-10.—Pathol., Methodist Hosp.; Asst. Pathol., German Hosp.; Asst. Phys., Med. Disp., Univ. Penna., and Physician, Philadelphia.

Perry William McLaughlin, A. B., Pennsylvania Coll., 1903.—Physician, Newville, Pa.

Edward Fall Malone, A. B., Vanderbilt, 1903; Clin. Asst. Sheppard-Pratt Hosp., Towson, 1907; Student, Berlin, Germany, 1907-10.—Asst. Prof. of Anat., Univ. of Cincinnati, O.

Norris Gray Orchard, S. B., Fargo Coll., 1903; Interne, Rochester Gen'l Hosp., Rochester, N. Y., 1907-08.—Member, Jr. Med. Staff, Rochester Gen'l Hosp.; Asst. Chief of Staff, Infants' Summer Hosp., and Physician, Rochester.

Fred Thomas Owens, A. B., Hamilton, 1903, A. M., 1906; House Physician, City Hospital, N. Y., 1907-08.—Surg. to Gen'l and St. Elizabeth's Hospitals; Physician, to Tub. Disp., and Physician, Utica, N. Y.

Charles Benjamin Palmer, A. B., Harvard, 1901; Med. Interne, Manhattan State Hosp. (6 mos.); Interne, N. Y. Post-Graduate Hospital, 1908-10; Physician, Las Chispas Mine, Sonora, Mexico, 1910-11.—Physician, Phoenix, Ariz.

William Turner Parsons, A. B., 1903.—Asst., Balt. Eye, Ear and Throat Charity Hosp., and Surgeon, Balt.

William Otto Pauli, A. B., Cincinnati, 1902; Asst. Biol., 1902-03; Resident House Officer, 1907-08.—Instr. Obstet.; Demonst'r in Clin. Micpy., Ohio-Miami Med. Coll., 1909-11.—Physician, Cincinnati.

George Peirce, A. B., Haverford, 1903; M. A. and Ph. D., Berlin, 1912; Resident Physician, Dr. Grenfel's Hospital, St. Anthony, Newfoundland, 1907; Res. Physician, Penna. Hosp., Phila., 1908-09; Graduate Student, Berlin, Germany, 1909-12.—Asst. in Physiol., Univ. Wisconsin, 1912-13, and Instructor in Pharmacol., *ibid.*

Eugene Leo Pessagno, A. B., 1903; Interne, St. Joseph's Hosp., 1907-1908; Asst. in Med., 1908-09.—Physician, Baltimore.

Harry Ward Plaggemeyer, A. B., 1903; Interne, Kings County Hosp., Brooklyn, N. Y., 1907-09; Res. Surg., St. Mary's Hosp. for Children, N. Y. 1909-10; Asst. Res. Surg., G.-U. Dept., J. H. H., 1910-13.—Director, Dept. Urological Surg., Detroit Gen'l Hosp., Detroit, Mich.

Paul Preble, A. B., Bowdoin, 1903-; Res. Surg., St. Agnes' Hosp., Balt., 1907-08.—Passed Asst. Surg., U. S. P. H. and M. H. S.—Hygienic Lab., U. S. P. H. S., Washington, D. C.

Alexander Randall, A. B., St. John's, 1902, and M. A., 1907; Graduate Student, 1902-03; Interne, German Hospital, Philadelphia, 1908-09; Asst. to Dr. Young, Balt., 1909-10; Asst. Res. Surg., 1910-11.—Asst. Pathol., Children's Hosp.; Asst. Surg., G.-U. Disp., U. of Pa., and Physician, Phila.

Daniel Pattee Ray, A. B., Dickinson, 1903, A. M., 1908; Res. Physician, McKeesport Hospital, Pa., and West Penna. Hosp., Pittsburgh, 1907-08.—Asst. Visit'g Phys., Conemaugh Valley Mem. Hosp., and Physician, Johnstown, Pa.

Clarence Adair Rhodes, A. B., Randolph-Macon, 1903; Interne, St. Vincent's Hospital, N. Y., 1907-08; Interne, Willard Parker Hosp. (3 mos.); Res. Phys., N. Y. Foundling Hosp., 1909-10; House Phys. (St. John's Guild), Sea Side Hosp., New Dorp, S. I., N. Y., 1910-11.—Adj. Prof. Med. and Thera., Atlanta Coll. P. and S., and Physician in Chief, Wesley House Free Clinic for Children; Physician in Chief, Florence Home for Children; Attend. Phys., City Hosp. Contagious Diseases, Florence Crittenden Home, and Physician, Atlanta, Ga.

Charles Woodward Riley, A. B., 1903; Interne, The Woman's Hosp. of the State of N. Y., N. Y. City, 1907-08; Interne, Riverside Hosp., N. Y., and Kingston Ave. Hosp., Brooklyn, 1908-09.—Physician, Baltimore.

Mary Jane Ross, A. B., Cornell, 1898, and Ph. D., 1902; Woman's Med. Coll. of Penna., 1898-99; A. M., Pennsylvania, 1900; Interne, The Babies' Hospital, New York, June-Oct., 1907; Res. Pathol., St. Luke's

Hosp., New Bedford, Mass., 1907-09. —Physician, Binghampton, N. Y.

Edgar Poe Sandrock, A. B., 1903; Res. Physician, St. Agnes' Hosp., Balt., 1907-09; Differentiator, J. H. Disp., 1911-12.—Physician, Balt.

Hiram Sibley Schumacher, Ph. B., Rochester, 1903; House Officer, Rochester Homeopathic Hosp., N. Y., 1907-08.—Med. Dispen., Rochester Homeo. Hosp. and Physician, Rochester.

Raymond Brown Scofield, S. B., Rochester, 1902; Asst. Surg., U. S. Pub. Health and Marine Hosp. Service, Stapleton, S. I., N. Y. 1907-09; Asst. and House Surg., J. Hood Wright Mem. Hosp., N. Y., 1908-09.—Med. and San'y Advisor, Riverdale Health League, N. Y. C.; Phys., Yonkers Tub. Hosp. and Disp.; Asst. Phys., Sherman Mem. Disp., and Physician, Yonkers, N. Y.

Will Farquhar Shallenberger, A. B., Washington and Jefferson, 1903, and A. M., 1912; Res. House Officer, 1907-08; Asst. Res. Physician,, 1908-09; Asst.. Res. Gynecologist, 1909-10; Res. Surg., Hosp. for Women of Md., 1910-11.—Chief, Cystoscopic Clin. Flor. Crittenden Home; Consult. Gyn., Hosp. Nerv. Dis.; Gyn., Moore Mem. Presby. Free Disp. and Clinic; Gynecol., Wesley House Clinic, and Gynecologist, Atlanta, Ga.

George Arthur Smith, A. B., Yale, 1903; Interne, The Hartford Hosp., 1907-08. Physician, Stepmey, Conn.

Joseph Tate Smith, Jr., A. B., 1903; Res. House Officer and Asst. Res. Obstetrician, 1907-09; Res. Gynecol., Lakeside Hosp., Cleveland, 1909-10.—Clin. Asst. in Gyn., West. Reserve, and Physician, Cleveland.

Charles Granville Souder, S. B., Ohio State, 1903.—Pathol., St. Vincent's Hosp., and Physician, Toledo, O.

Charles Henry Stubenrauch, A. B., 1903; Asst. Res. Physician, Church Home and Infirmary, Baltimore, 1907-08; Asst. in Med., 1908-10.—Physician, Havana, Ill.

Charles Henry Turkington, Ph. B., Yale, 1903; Interne, Hartford Hosp., Conn., 1908-09.—Physician, Litchfield, Conn.

Percy Theodore Watson, A. B., Carleton, 1903; Resident House Officer, 1907-08. — Med. Missionary, Fen-chofu, Shansi, China.

William Henderson White, A. B., Dickinson, 1903; Interne, Paterson General Hospital, N. J., 1907-08; Interne, Riverside Contagious Hosp., North Bros. Is., N. Y., 1908-09; Hosp. Phys., N. Y. City Board of Health, Otisville Sanatorium, Otisville, N. Y.

Milton Charles Winternitz, A. B., 1903; Fellow Asst. and Instr. in Pathol., 1907-10.—Assoc. in Pathology and Asst. Res. Pathologist; Pathol., Bay View.

George Burton Gilbert, A. B., Yale, 1903; Interne, Hartford Hosp. (Mar. to June), 1908; Res. Phys., Cragmor Sanatorium, Colorado Spgs., 1909-10.—Director, Webb Tub. Research Lab.; Visit'g Phys., Sunnycrest Sanatorium, and Physician, Colo. Spgs., Colo. (*Degree granted, Feb'y* 22, 1908.)

George W. Hartman, S. B., California, 1903; Res. Physician, The French Hosp., N. Y., 1907-08; House Surg., Flushing Hosp., Flushing, N. Y., 1908-09.—G.-U. Surg., Mary's Help Hosp. and Clinic; Adj. in G.-U. Surg., German Hosp., and Physician, San Francisco, Cal. (*Degree granted February* 22, 1908.)

Carroll Dunham Partridge, S. B., Vermont, 1900; Instr., Chicago Summer Qrs., 1904-05; Asst., Cornell, 1900-02; Carnegie Research Asst. in Organic Chem., 1907-08; Pathol., Thos. Wilson Sanitarium, Md., 1907-08; Pathol., State Infirmary, Tewksbury, Mass., 1908-10; Path. House Officer, Albany Hosp. and Asst. in Path., Albany Med. Sch., Albany, N. Y., 1910-11.—Prof. Pathol. and Bact., Univ. Ga. Med. Coll., Augusta. (*Degree granted February* 22, 1908.)

Clarence Albert Shore, S. B., North Carolina, 1901, M. S., 1902, and Med. Dept., 1903-04.—Director, State Lab. Hygiene, Raleigh, N. C. (*Degree granted January* 6, 1908.)

Lucius Tuttle, A. B., Yale, 1901; Microscopist, Univ. Hosp. Disp., 1907-09; Asst. Demonst'r Pathol., Univ. of Penna., 1908-10.—Demonst'r, Physiol. and Director, Physical Lab., Jefferson Med. Coll., Philadelphia (Aldan, Pa.). (*Degree granted April* 1, 1907.)

Udo, Julius Wile, A. B., Columbia, 1904, nnd Med. Dept., 1903-04; Vol. Asst., Dermatol. Clinic, Berlin, 1908-09; Chief, Clinic in Dermatol. and Syphilis, Beth Israel Hosp.; Attend. Dermatol., Hebrew Infant Asylum; Instr. Dermatol. and Syph., P. G. Med. Sch. and Hosp., and Physician, N. Y., 1909-12.—Prof. Dermatol. and Syphiol., Univ. Mich, Ann Arbor. (*Degree granted January* 6, 1908.)

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1908

Solomon J. Appelbaum, A. B., Rochester, 1904; Interne, West. Penna. Hosp., Pittsburgh, 1908-09.—Asst. Phys., Gen'l Hosp., and Physician, Rochester, N. Y.

Joseph Robson Bromwell Branch, A. B., 1904; Res. House Officer, 1908-09; Med. Supt., The Macon Hosp., Macon, Ga., 1909-10.—Attend. Gynecol. to Macon Hosp., and Physician, Macon, Ga.

Addison Gorgas Brenizer, Jr., A. B., North Carolina, 1904; Krebs Inst., Heidelberg, Summer, 1907; Interne, Univ. of Heidelberg, Germany, 1908-

09; Externe, Univ. Vienna, 1909; Res. Surgeon in charge Amer. Hosp., Paris, 1909-11.—Surgeon, Charlotte, N. C.

James Stewart Brotherhood, S. B., Dartmouth, 1904; Res. House Officer, 1908-09; Asst. Res. Physician and Asst. in Med., 1909-10; Res. Physician, Sydenham Hosp., Balt., 1910-11; Res. Phys., Wash. Univ. Hosp., and Asst. in Med., Wash'g Univ., St. Louis, Mo., 1911-1912.—Physician, Saratoga, N. Y.

Carl Herbert Bryant, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-10.—Physician, Kansas City, Mo.

Jonathan Edward Burns, Jr., A. B., Virginia, 1904; Interne, Union Protestant Infirmary, Baltimore, 1908-09. —Physician, Wheeling, W. Va.

Christian Frederick Carstens, A. B., Lake Forest, 1901; Interne, City Hospital, N. Y., 1908-09.—Physician, Keewatin, Minn.

Ralph DeBallard Clarke, A. B., N. Y. Univ., 1904; Interne, Post-Grad. Hosp., N. Y., 1908-10; House Phys., Home for Convales. Babies, Sea Cliff, L. I., N. Y., 1910-11; Res. Surg., Nances Cay Hosp., Bocas del Toro R. de Panama, 1911-12.—Asst. in Pediatrics, New Haven Disp., and Physician, West Haven, Ct.

Jean Valjean Cooke, A. B., West Virginia, 1903, and Yale, 1904; Harvard Med. Sch. (Summer), 1906; Instr., Pathol., Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-10; Res. Pathol., Penna. Hosp., Phila., 1910-11; Instr. Pathol., Tulane Univ., and Jr. Pathol., Touro Infirm., New Orleans, La., 1911-12.—Asst. Prof. Pathol. and Dir. Lab., Animal Exp., Univ. of Calif., and Pathol., Univ. Hosp., San Francisco.

Edward Vincent Coolahan, A. B., Rock Hill, 1903; Res. Phys., St. Vincent's Hosp., N. Y., 1908-10.—Asst. Phys., J. H. Disp., and Physician, Baltimore.

Frederick Aloysius Coughlin, A. B., Brown, 1904; Interne, City Hosp., Boston, 1908-10; Res. Surg., Carney Hosp., Boston, 1910-13.—Surgeon, Providence, R. I.

Samuel James Crowe, A. B., Georgia, 1904; Assistant in Surgery (H. L.), 1908-09; Asst. Res. Surg. and Asst. in Surg., 1909-12.—Assoc. in Surg.

Edward Adams Deming, Ph. B., Yale, 1904; Interne, N. Y. Health Dept. to Jan. 1, 1909; Interne, Hartford Hosp., Conn., 1909-10.—Physician, Hartford.

*Henry Strong Denison, A. B., Cornell, 1905; Interne, Mass. Gen'l Hosp., Boston, 1908-09.—Director, St. Luke's Hosp. Lab.; Instr. in Med., Univ. of Colo., and Physician, Denver. (Died August 24, 1912.)

William Reuben S. Denner, A. B., Penna. Coll., 1904, and A. M., 1907; Interne, West. Penna. Hosp., Pittsburgh, 1908-09; Asst. in Clin. Pathology, Univ. Pittsburgh, 1909-10; Res. Pathol., St. Francis' Hosp., Pittsburgh. 1909-12.—Physician, Manchester, Md.

Herman Ferdinand Derge, A. B., Wisconsin, 1904; Resident House Officer, 1908-09.—Physician, Eau Claire, Wis.

Robert Uriel Drinkard, S. B., Virginia Polytech., 1904; Interne, Nursery and Child's Hosp., N. Y., 1908-10.—School Inspector and Surgeon, Wheeling, W. Va.

William Waddell Duke, Ph. B., Yale, 1904; Res. House Officer, Mass. Gen'l Hosp., Boston, 1908-10; Grad. Student, Vienna and Tübingen, 1910-11. —Asst. in Medicine, Univ. of Kansas, and Physician, Kansas City, Mo.

Herbert McLean Evans, S. B., California, 1904; Med. Dept., 1904-05; Assistant Instr. and Assoc. in Anatomy, 1908-12.—Associate Professor.

James Thomas Flanagan, A. B., Mt. St. Mary's, 1903, and A. M., 1905; Grad. Student, 1903-04; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1908-10; Adj. Vis. Obstet., Kings Co. Hosp., 1912; Clin. Asst. Surg., L. I. Coll. Hosp., 1911-12.—Physician, Brooklyn, N. Y.

James Richard Frow, A. B., Lafayette, 1904; Grad. Student, Wisconsin, Summer, 1905; Interne, Wilkes-Barre City Hosp., Pa., 1908-09; Asst. Surg., Southern Branch Nat'l Home for Disabled Volun. Soldiers, Nat'l Soldiers Home, Va., 1909-12.—Citrus Grower, Zolfo, De Soto Co., Fla.

Ralph Ottomar Fuerbringer, A. B., 1904; Res. House Officer, 1908-09; Asst. Surg. Clinic, Univ. of Marburg, 1910-11.—Asst. Surg. Clin., Univ. Koenigsberg.

Randolph Macon Grimm, A. B., Randolph-Macon, 1902, and A. M., 1903; Bacteriol., State Lab. Hygiene, Raleigh, N. C. Oct., 1908).—Past Asst. Surg., U. S. P. H. and M.-H. Service, Savannah, Ga.

William Edward Grove, A. B., Wisconsin, 1904; Instr. in Pharmacol., Univ. of Wisconsin, Madison, 1908-09; Res. Phys., Clifton Spgs. Sanitarium, N. Y., 1909-11; Student in Berlin, 1911-12.—Physician, Milwaukee, Wis.

Frederick Fretageot Gundrum, A. B., Leland Stanford, Jr., 1903; Res. House Officer, 1908-09; Demonst'r in Anat., Univ. of Pittsburgh, and Res. Surg., St. Francis' Hosp., Pittsburgh, 1909-10.—Consult. Phys., Sacramento Co. Hosp.; Dir., N. Calif. Bch. State Hygienic Lab. and Physician, Sacramento, Cal.

Sylvan Lewis Haas, S. B., California, 1904; Res. Pathologist, Lakeside Hosp., Cleveland, 1908-10; Interne, Lane Hosp., 1909-10.—Asst. in Surgery, Stanford Univ., and Physician, San Francisco, Cal.

Frederic Moir Hanes, A. B., North Carolina, 1903; A. M., Harvard, 1904; Student, Leipzig and Freiburg, 1905-06; Res. House Officer, 1908-09; Assoc. in Pathol., Coll. P. and S.,

Columbia, and Assoc. Vis. Pathol., Presbyterian Hosp., N. Y., 1912-13.—Asst. Res. Phys., Rockefeller Hosp., N. Y.

Henry Hanson, A. B., So. Dakota, 1902; Asst. Chem. Lab., 1902-04; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Pathol., Trinity Hosp. and Assoc. Prof. Pathol., Milwaukee Med. Sch., Wis., 1908-09; Prof. Clin. Micpy., Wis. Coll. P. and S., 1909.—Director, Bact. Lab., State Board of Health, Jacksonville, Fla.

Paul Wilberforce Harrison, A. B., Nebraska, 1905, and Med. Dept., 1903-05; Interne, Mass. Gen'l Hosp., Boston, 1908-09.—Med. Missionary, Kuwait, Persian Gulf, Arabia, via Bombay.

William Harry Higgins, A. B., Central (Ky.), 1904; Interne, Allegheny Gen'l Hosp., Pa., and Res. Housue Officer, 1908-09; Asst. Res. Clifton Spgs. Sanatarium, N. Y., 1909-11.—Instr. in Pract. of Med., Coll. of Va.; Med. Supt., Hygeia Hosp., and Physician, Richmond, Vt.

Miner Clifford Hill, S. B., Princeton, 1904; Instr. in Pathol., N. Y. Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-09; Interne, St. Luke's Hosp., N. Y., 1909-10; Res. Pediatrist, Bellevue Hosp., 1910-12.—Physician, N. Y.

Charles Augustus LaMont, A. B., Yale, 1905; Interne, Hudson St. Hosp., N. Y., 1908-10.—Pathol., Aultman Hosp. and Physician, Canton, O.

Wilbur Leslie LeCron, A. B., 1904, Student, Leipzig and Freiburg, 1905-06; Interne, Hartford Hosp., Conn., 1908-10.—Pathol., and Res. Surg., Columbia Hosp., and Surg., Milwaukee, Wis.

Edward Emanuel Lindeman, Ph. B., Yale, 1905; Act. Asst. Surg., U. S. Pub. Health and Marine Hosp. Service, N. Y. (3 mos.); Asst. in Pharmacol., Univ. Mich., Ann Arbor, 1908-09; Director, Tampa Lab., State Board Health, Fla., 1909-10.—House Officer, Children's Hosp., Boston.

Janvier Whitton Lindsay, A. B., Columbia, 1904; Interne and Chief Res. Phys., Garfield Mem. Hosp., Washington, D. C., 1908-12.—Asst. Pathol., Garfield Hosp., and Physician, Washington, D. C.

Harry Walter Masenheimer, A. B., St. John's, 1904; Interne, Presbyterian Hosp., Pittsburgh, 1908-09; Res. Surg., Lakeside Hosp., Cleveland, 1909-13.—Demonst'r Surg., West Reserve Med. Sch.; Jr. Visit'g Surg., German Hosp., and Physician, Cleveland.

Charles Henry May, A. B., Penna. Coll., 1904; Resident Physician, Presbyterian Hosp., Pittsburgh, 1908-09.—Physician, York, Pa.

Robert William Bainbridge Mayo, A. B., Maryland Agricult., 1903, and M. S., 1904; Supt., Gulf Coast Sanatorium, Miss., 1909-10; Asst. Res. Church Home and Infirm'y, 1910-11; Res. Surg., Hosp. for Women of Md., 1911-12.—Physician, Baltimore.

James Alphonsus McCann, Ph. B., Brown, 1904; Interne, R. I. Gen'l Hosp., Providence, 1907-09; Physician, Providence.

Roy Donaldson McClure, A. B., Ohio State, 1904; Grad. Student, Prague, 1906; House Surg., New York Hosp., N. Y., 1909-12.—Asst. Res. Surg. and Asst. in Surg.

Patrick Joseph McDonnell, Ph. B., Wesleyan (Ct.), 1904; Interne, Kings Co. Hosp. (to Oct. 15, 1908); Interne, Providence Hosp., Washington, D. C. (to Mar. 1, 1910); Asst. Res. Manhattan Maternity Hosp., N. Y. (to June 1, 1910); Asst. Res. Seaside Hosp., S. I., N. Y. (to July 1, 1910).—Physician, Tonopah, Nev.

Charles Wilson Mills, A. B., Williams, 1902; Res. House Officer, 1908-09.—Asst. Physician, Loomis Sanatorium, Loomis, N. Y.

Warren Pearl Morrill, Ph. B., Michigan, 1898; Med. Dept., Illinois, 1904-05; Interne, Children's Free Hosp., Detroit, 1908-09; Resident Physician and Supt., Sydenham Hosp., Baltimore, 1909-12; Supt., Winnipeg Gen'l Hosp., Manitoba, 1912-13.

Grover Cleveland Ney, A. B., Mt. St. Joseph's, 1904, and A. M., 1908; Med. Supt., Hebrew Hosp., 1908-12.—Visit'g Surg., *ibid.*, and Surgeon, Baltimore.

James Harry Oppenheimer, A. B., Harvard, 1904; Res. House Officer, 1908-09; European Clinics, 1909-10.—Physician, Philadelphia.

Robert Sheffey Preston, A. B., Hampden-Sidney, 1903; A. M., Princeton, 1904; Interne, Bellevue Hosp., N. Y., 1909-11.—Instr., Pediatrics, Med. Coll. of Va., and Physician, Richmond, Va.

Frederick Sylvanus Ray, S. B., California, 1904; Res. House Officer, 1908-09; Asst. Res. Surgeon and Externe in Gynecol., 1909-11.—Physician, Los Angeles, Cal.

Lilian Emeline Ray, A. B., Leland Stanford, 1897, and A. M., 1901; Interne, The Hosp. for Women and Children, Syracuse, N. Y., 1908-09; Clin. Asst., Rochester State Hosp., N. Y., 1909.—Exam. Phys., Los Angeles City High Sch. for Girls, and Physician, Los Angeles, Cal.

Alfred Joseph Ridges, Jr., S. B., Utah, 1900.—Physician, Salt Lake City, Utah.

Hamilton Rinde, A. B., N. Dakota, 1902.—Asst. Phys., Conn. Hosp. for Insane, Middletown.

James Lee Robinson, A. B., Texas, 1904; Summer Session, Harvard Med. Sch., 1906; Res. Pathol., Mass. State Hosp., Summer, 1908; Resident House Officer, 1908-09; Surg., Roanoke Rapids (N. C.) Mills Co., 1909; Contract Surg., U. S. Army, 1910; 1st Lt. Med. Reserve Corps, U. S. Army, and Army

Med. Sch., Washington, D. C., 1910-11.—1st. Lt. Med. Corps, U. S. Army, San Antonio, Texas.

James Isaac Scarborough, A. B., Princeton, 1904; Interne, Asst. Res. and Res. Surg., Union Protestant Infirmary, Baltimore, 1908-12.—Asst. Surg. Pathol., and 1st Surg. Asst., Mayo Clinic, Rochester, Minn.

Laurence Selling, A. B., Yale, 1904; Res. House Officer, 1908-09; Fellow in Pathol. (Rockefeller-Grant), 1909-10.—Physician, Portland, Ore.

Harry Philip Shugerman, A. B., Howard Coll., 1901; Columbia, 1902-04; Interne, U. P. I., Balt. (3 mos.); Army Med. Sch., Washington, D. C., 1909-10.—Visit'g Phys., Hillman Hosp., and Physician, Birmingham, Ala.

Roland Leighton Stacy, A. B., Dickinson, 1904, and A. M., 1907; Res. House Officer, 1908-09; House Surg., Ogdensburg City Hosp., N. Y., 1909-10.—Physician, Ogdensburg, N. Y.

William M. Thalheimer, S. B., Richmond, 1903; Summer Sessions, Cornell, 1902 and 1903; Interne, Mt. Sinai Hospital, and Physician, N. Y., 1908-10; Instr. in Pathol., Univ. of Va., Charlottesville, 1910-11.—Fellow in Pathol., Mt. Sinai Hosp., and Physician, N. Y.

Albert Agnew Thomas, A. B., Indiana, 1904; Interne, Allegheny General Hosp., Pa., 1908-09. — Physician, Linton, Ind.

Dwight Wallace Tracy, Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-09.—Physician, Hartford, Conn.

Cecil Woods West, S. B., Iowa Coll., 1904; Externe in Gynecol., 1908-09; Asst., Dr. Kelly's Sanitarium, 1909-10; Asst. Res. Gynecol., 1910-12; Res. Gynecol. and Instr., 1912-13.—

James Homer Wilson, Ph. B., Lafayette, 1904; Interne, Gouverneur Hosp., N. Y., 1908-09; Med. Corps, U. S. Army, Washington, D. C., 1911-12.—Phys. for Allegheny Co. and Visit'g Phys., West. Md. Hosp., and Physician, Cumberland.

Joseph Kent Worthington, A. B., Haverford, 1903; Interne, Roosevelt Hosp., N. Y., 1908-09.—Assoc. Attend. Physician, Nassau Hosp., and Physician, Roslyn, L. I.

Webster Kimball Clark, Ph. B., Yale, 1904.—Pathol., Franklin Co. Hosp., and Physician, Greenfield, Mass. (*Degree granted April* 5, 1909.)

Frank Gibson Porter, A. B., 1904; Pathol., Dr. Brown's Private Hosp., and Asst. Pathol., Mountainside Hosp., Montclair, N. J., 1908-09.—Physician, Baltimore. (*Degree granted March* 1, 1909.)

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1909

Charles Robert Austrian, A. B., 1904; Resident House Officer, 1909-10; Asst. in Medicine, 1910-13; Asst. Res. Physician in chg. Lab., Phipps Disp., 1911-13.—Asst. Res. Physician, and Instr. in Medicine.

Walter Albert Baetjer, A. B., 1905; Resident House Officer, 1909-10; Asst. in Medicine and Asst. Res. Physician, 1910-11; Res. Phys., City Hosp., Bay View, 1911-12.—Asst. in Med. and Asst. Res. Physician.

James Alvin Bass, A. B., 1905.—Asst. Surg., Flagship "New York," Asiatic Sta., via San Francisco, U. S. Navy.

Julian Lee Birdsong, S. B., Nashville, 1899; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Hartford, Conn.

Samuel Walthall Budd, A. B., Hampden-Sidney, 1904; Graduate Student, 1904-05; Resident House Officer, 1909-10.—Pathol., Norfolk Protest. Hosp.

Montrose Thomas Burrows, A. B., Kansas, 1905; Asst. Rockefeller Inst. for Med. Research, N. Y., 1909-11.—Instr. Anat., Cornell, N. Y.

Bender Zelotes Cashman, A. B., Pennsylvania Coll., 1905; Interne, West. Penna. Hosp., Pittsburgh, 1909-10; Res. Surg., St. Francis' Hosp., Pittsburgh, 1910-12.—Physician, Lafayette, Ind.

Arthur Bond Cecil, A. B., St. John's, 1905; Late Asst. Surg., U. S. Navy, 1909-10; Grad., U. S. Naval Med Sch., 1910; Asst. Surg., N. Y. Naval Hosp., 1910; Asst. to Dr. Young, 1911-12; Asst. Res. Surg., 1912-13.—Instr., G.-U. Surg., Univ. Calif., Los Angeles.

Florence Chapman Child, A. B., Bryn Mawr, 1905; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1909-10; Interne, Babies' Hosp., N. Y., 1911.—Clin. Asst. Gyn. and Pediatrics, Women's Hosp. of Phila., Asst. Kensington Disp. for Tub., and Physician, Philadelphia.

Walter Francis Cole, S. B., Clemson, 1902; A. B., North Carolina, 1905; Surgeon, Greensboro, N. C.

Harry Lewis Connett, Ph. B., Ohio Univ., 1905.—Physician, Dr. Hyde's Private Hosp., Nelsonville, O.

Jennings Crawford, Ph. B., Coe, 1905; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Cedar Rapids, Ia.

James Watson Williams Dimon, A. B., Williams, 1905; House Physician, Faxton Hosp., Utica, N. Y., 1909-10.—Physician, Utica, N. Y.

John Roscoe Elliott, A. B., Western Maryland, 1905.—Interne and Asst. Supt., R. I. Gen'l Hosp., Providence, 1909-12.—Physician, Laurel, Del.

Max Emmert, A. B., Iowa, 1905.—Physician, Atlantic, Ia.

Charles Rhein Essick, A. B., Yale, 1905; Asst. and Instr. in Anat., 1909-12.—Assoc. in Anatomy.

William Lawrence Estes, Jr., A. B., Lehigh, 1905; Resident House Officer, 1909-10; Asst. in Mayo Clinic, Rochester, Minn., 1910-12.—Chief Staff, St. Luke's Hosp., and Physician, So. Bethlehem, Pa.

Thomas Ludlow Ferenbaugh, A. B., Kenyon, 1905; Graduate, Army Med.

Sch., Wash., D. C., 1910.—Captain, Med. Corps, U. S. Army, Fort St. Michael, Alaska.

Arthur Oscar Fisher, A. B., Wisconsin, 1905; Resident House Officer, 1909-10; Asst. Res. Surgeon, 1910-11.—Asst. in Surg., Washington Univ., and Res. Surg., Washington Univ. Hosp., St. Louis.

H. Quigg Fletcher, A. B., Georgia, 1904; Resident House Officer, 1909-10; Asst. Res. Surg., U. P. I., Balt., 1910-11.—Visit'g Phys., Baroness Erlanger Hosp., and Woolford Infirmary, and Physician, Chattanooga, Tenn.

Ernest Robert Gentry, A. B., Kansas, 1905, and Med. Dept., 1905-1906; Army Med. Sch., Washington, D. C., 1909-11; Lab. Surg. Gen'l Office, Wash., Summer, 1910; 1st Lieut. Med. Corps, U. S. Army, Ft. Leavenworth, Kans., 1910-11.—M'br, U. S. Army B'd for Study Trop. Diseases, and 1st Lieut., Med. Corps, U. S. Army, Manila, P. I.

Ethel Mathews Girdwood (Mrs. George Peirce), A. B., Bryn Mawr, 1903.—Asst. in Pathol., Univ. Wisconsin, Madison.

Emil Goetsch, S. B., Chicago, 1903, and Ph. D., 1906; Fellow, Asst. and Assoc. in Anat., *ibid.*, 1904-08; Research Asst., Dept. of Exp. Therapeut., *ibid.*, 1908 and 1909; Assistant in Surg. (H. L.), 1909-10; Asst. Res. Surgeon, 1910-12.—Res. Surg., Peter Bent Brigham Hosp., and Asst. in Surgery, Harvard Med. Sch., Boston.

William Ernest Hart, S. B., Washington and Jefferson, 1905; House Gynecol., Roosevelt Hosp., N. Y., 1909-11; Interne, Manhattan Maternity Hosp., 1911; Tuxedo Hosp., Tuxedo, N. Y., 1911-12.—Physician, Washing'n Hosp., and Physician, Washington, D. C.

Thomas William Harvey, Jr., S. B., Princeton, 1905; Interne, Presbyterian Hosp., N. Y.; Surg., N. Y. Lying-in Hosp. (to Jan., 1912).—Anaest., Orange Mem. Hosp. and Essex Co. Ortho. Hosp., and Physician, Orange, N. Y.

Philip Charles Jeans, A. B., Kansas, 1904; Interne, Hartford Hosp., Conn., 1909-10; Interne, Children's Hosp., Boston, 1910-11; Interne, Boston Floating Hosp.; Res. Phys., Boston Disp., Hosp. for Children, 1911-12; Resident Phys., St. Louis Child. Hosp., 1912-13; Asst. in Pediatrics, Wash'g Univ. Med. Sch., to Sept., 1912.—Resident Physician, St. Louis, Children's Hosp., St. Louis.

Charles Rawson Kingsley, Jr., S. B., New York Univ., 1905; Resident House Officer, 1909-10.—Pathol., St. Vincent's Hosp.; Adj. Physician, S. R. Smith Infirmary; Asst. Bact., N. Y. Quarantine Sta., and Physician, West New Brighton, N. Y.

Baldwin Mann, A. B., Williams, 1905; House Officer, N. Y. City Hosp., 1909-10.—Bact., Roosevelt Hosp., and Physician, N. Y. City.

Fred Marlin Meader, S. B., Wesleyan (Conn.), 1902, and M. S., 1905.—Assoc. Prof. Preventive Med. and Dir., Lab. Public Health; City Bacteriol., Med. Dept., Univ. Syracuse, N. Y.

Philip Ball Moss, S. B., Central (Ky.), 1905; Interne, Union Prot. Infirmary, 1909-10.—State Pathol., Montgomery, Ala.

James B. Murphy, S. B., North Carolina, 1905; Med. Interne, Pathological Inst., Ward's Is., N. Y., 1909-10.—Assoc. in Path., and Bact., The Rock. Inst. for Med. Res., New York.

Patrick Ireland Nixon, A. B., Texas, 1905; Resident House Officer, 1909-10; Asst. Res. Surg., 1910-11.—Surgeon, San Antonio, Texas.

George Rupp Pretz, S. B., Penna. Coll., 1905, and M. S., 1908.—Physician, Lebanon, Pa.

Solomon W. Schaefer, A. B., Washington and Lee, 1904; Resident House Officer, 1909-10; Gyn., County Hosp. and Surg. Attend. Free Disp., and Physician, Portland, Ore., 1910-12.—Res. Phys., The Glockner Sanatorium, Colorado Springs.

Andrew Watson Sellards, A. B., Kansas, 1903, and A. M., 1904; Instr., Tropical Med. and Asst. Res. Phys., Philippine Gen'l Hosp., and Asst. to Bureau of Science, Manila, P. I., 1909-11.—Instr. in Med., in chg. Chem. Div. Med. Clinic.

Thomas Peck Sprunt, A. B., Davidson, 1903; Asst., Instr., and Assoc. in Pathol., 1909-13.—Instr. in Med., and Asst. Res. Physician.

James Russell Stewart, A. B., Lake Forest, 1905; Interne, New Haven Hosp., Conn., 1909-10.—Asst. Resident, Adirondack Cottage, Sanitarium, Saranac Lake, 1911-12.—Physician, Colorado Springs, Colorado.

Edward Wentz Stick, A. B., Franklin and Marshall, 1904; House Officer, M. E. Hospital, Philadelphia, 1909-10; Chief Res. Phys., Kensington Hosp. for Diseases of Women, Phila., 1910-11.—Physician, Hanover, Pa.

Herbert Sedgefield Thomson, S. B., California, 1904; House Officer and Surg., New York Hospital, 1909-11; Phys., Public Athletic League and Physician, Baltimore, 1911-12.—Asst. in Surg., Univ. Calif. Med. Dept. and Hosp., and Physician, Berkeley.

*Charles Edward Trotter, S. B., N. C. Coll. Agricult. and Mechanic Arts, 1903; Grad. Student, 1904-05.—Act. Asst. Surg., U. S. Navy. (Drowned, August, 1909.)

Robert Lester Waite, Ph. B., Yale, 1905; Clin. Asst., South Balt. Eye, Ear and Throat Charity Hosp., 1909-10.—Asst. Ophthalmic and Aural Surg., Hartford Hospital, and Physician, Hartford, Conn.

Isaac Chandler Walker, A. B., 1905; Graduate Student, Harvard, 1909; Med. House Officer, Carney Hosp.,

Boston, 1909-11; Lecturer, Clin. Micpy. and Phys. Diag., Univ. of Ia., Iowa City, 1911-12; Grad. Student, Freiburg, 1912; Asst. in Pharmacol., Harvard Med. Sch., 1913.—Asst. Res. Phys., Peter Bent Brigham Hosp., Boston.

William Glenn Wallace, S. B., Hanover, 1905; Interne, New Haven Hosp., Conn., 1909-11.—Physician, Mattoon, Ill.

Duncan Cameron Walton, A. B., St. John's, 1905.—Asst. Surg., U. S. Navy, U. S. Naval Hosp., N. Y.

Leon Harlan Watkins, A. B., Southern, 1903, and A. M., 1905; Resident House Officer, and Asst. Res. Gynecol., 1909-13.—Resident Gynecologist.

Charles Wallace Webb, S. B., Arkansas, 1905; Resident House Officer, 1909-10; Res. Surg., Clifton Spgs. Sanitarium, N. Y., 1910-12.—Asst. Res. Physician.

Arthur James Wiesender, A. B., Ripon, 1905; Resident House Officer, 1909-10.—Physician, Berlin, Wis.

Gustav Herman Woltereck, A. B., 1905; Asst. Phys., Balt. City Jail, 1909-10; Asst. Physician, Maryland Penitentiary, 1910-12.—Asst. in Pathol., Coll. P. and S., and Physician, Baltimore.

Walter Simrall Wyatt, S. B., Alabama, 1904, and M. S., 1905; Med. Interne, Lakeside Hosp., Cleveland, 1909-11.—House Officer, Boston City Hosp., Boston.

Iva Catherine Youmans, A. B., Converse, 1897; N. Y. Univ. Summer Sch., 1904; Interne, N. Y. Infirmary for Women and Children, 1909-10.—Asst. Bacteriologist, State B'd Health, Jacksonville, Fla.

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*Thomas Patrick Coan, A. B., Mt. St. Joseph, 1903; Interne, St. Francis' Hosp., N. Y. (*Degree granted March* 7, 1910.) Died, February 2, 1912.

Ernest Cooper, A. B., South Carolina, 1900; Pathol. and Bact., State Hosp. for Insane, and Physician, Columbia, S. C. (*Degree granted January* 3, 1910.)

*Julia Maria Torrey, A. B., Boston Univ., 1888; Med. Student, Michigan (2 years); Interne, N. Y. Infirmary for Women and Children (Jan. to May, 1911). (*Degree granted January* 3, 1910.) (Died May, 1911.)

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1910

Mary Dayton Allen, A. B., Mt. Holyoke, 1905; Resident House Officer, 1910-11.—Res. Physician, The Woman's Hospital, Hamadan, Persia.

Edward McPherson Armstrong, A. B., Princeton, 1904; Rhodes Scholar, Oxford, 1905-08; and B. Sc., 1908; Student, Prag. and Edinburgh Universities (Summers, '06 and '07); Surg. House Officer and Surg., New York Hospital, 1910-12.—Res. Surg., Tuxedo Hosp., Tuxedo, N. Y.

Moses Haven Baker, S. B., Purdue, 1905.—Interne, St. Francis' Hospital, Pittsburgh.

Henry Clay Barbour, A. B., Trinity (Conn.), 1906; Fellow in Pathology, 1910-11; Research Student, Freiburg, Germany, 1911, Vienna, 1912, and London, 1913.—Asst. Prof. Pharm., Yale Med. Sch., New Haven, Conn.

Emil Boehm, S. B., St. Louis University, 1906; Interne, Bellevue Hospital, N. Y., 1910-13.—Europe.

William Symington Bole, S. B., Montana Agricult., 1906. — Physician, Great Falls, Mont.

Carl Ferdinand Bookwalter, S. B., Purdue, 1900.—Interne, Kingston Ave. Hosp., Brooklyn, N. Y.

Ethan Flagg Butler, A. B., Princeton, 1906; Volun. Med. Asst. Labrador Med. Mission, Summers, 1908, 1909, and 1910.—1st Surg. Asst., Mayo Clinic, Rochester, Minn.

Walter Austin Calihan, A. B., Rochester, 1906; Res. Surg., St. Agnes' Hosp., 1910-12.—Physician, Rochester, N. Y.

Ross Stagg Carter, A. B., Leland Stanford, Jr., 1905.—Physician, San Diego, Cal.

Thomas Rodney Chambers, A. B., 1906; Interne, St. Agnes' Hosp., 1910-11; Asst. in Pathol., Mercy Hosp., 1911-12; Instr. Surg., Coll. P. and S., 1912-13.—Coroner, and Physician, Balt.

Joseph Lynn Choate, A. B., Leland Stanford, Jr., 1906; A. M., Southern Calif., 1907, and Med. Student, 1906-08; Cooper Medical Coll., 1907.—Phys., Child. Hosp., Los Angeles, 1910-11.—Med. Staff, Columbia Hosp., and Physician, Los Angeles.

Claude Carr Cody, Jr., A. B. and A. M., Southwestern, 1904 and 1905; Student of Medicine, 1905-07.—Interne, Bellevue Hospital, New York.

Haskett Lynch Conner, A. B., DePauw, 1906; Interne, Church Home and Infirmary, 1910-11.—Physician, Indianapolis, Ind.

Henry Theodore Collenburg, A. B., 1906. Physician, Baltimore.

Henry Nicholas Costello, A. B., Yale, 1906; Interne, Hartford Hospital, Conn., 1910-12.—Physician, Hartford.

Walter Edward Dandy, A. B., Missouri, 1907, and Student of Medicine, 1906-07; A. M., J. H. U., 1911; Asst. in Surgery, Hunterian Laboratory, 1910-11.—Asst. Resident Surgeon.

Clinton Demas Deming, A. B., Yale, 1907, and Student of Medicine, 1906-07; Asst. in Pathol., 1910-11.—Interne, Hartford Hosp., Hartford, Ct.

Bernard Solomon Denzer, A. B., Columbia, 1906; Interne, The German Hosp., New York, 1910-1913.—Asst. Admit. Phys., German Hosp., and Physician, N. Y.

Thomas Alan Devan, S. B., Rutgers, 1906.—Interne, Presbyterian Hosp., New York.

Baruch Mordecai Edlavitch, A. B., 1906; Res. Pathol., Hebrew Hospital, Balt.,

1910-11; Pathol., Univ. Hosp., Ia. State Univ., Iowa City, 1912.—Physician, Baltimore.

Ralph Landis Engle, A. B., Lebanon Valley Coll., 1905; A. M., Yale, 1906; Interne, Bellevue Hosp., N. Y., 1911-13.—Grad. Student, Univs. Vienna and Berlin.

Horace Burnett Fenton, A. B., Oregon, 1906.—Asst. Physician, County Hosp., Portland, Ore.

Edgar L. Gilcreest, A. B., Texas, 1906; Interne, Lakeside Hosp., Cleveland, 1910-13; Vol. Asst. Surg., Staff Univ. Gratz, Austria, 1913-14.—Physician, Gainesville, Tex.

Hyman Ginsberg, A. B., Georgia, 1906; Interne, Lane Hospital, San Francisco, 1910-12.—Asst. in Surg., Birmingham Med. Sch., and Surgeon, Birmingham, Ala.

Lemuel Whittington Gorham, A. B., Yale, 1906; Resident House Officer, 1911.—Europe.

William Lawrence Grimes, S. B., North Carolina, 1906.—Res. Surg., Union Protestant Infirmary.

Crowell, Clarinton Hall, Jr., A. B., Bowdoin, 1906. — Physician, Foxcroft, Me.

Runkle Fisher Hegeman, A. B., Princeton, 1906; Resident House Officer, 1910-11; Res. Phys., N. Y. Foundling Hosp., N. Y., 1911-12; Res. Phys., N. Y. Nursery and Child's Hosp., 1912-13.—Res. Surg., St. Mary's Free Hosp. for Children, N. Y.

Henry Gildersleeve Jarvis, A. B., Yale, 1906; Interne, Conn. Hosp. for the Insane, Middletown (to Jan. 1, 1911); Interne, Hartford Hosp., Conn. (after Jan., 1911).—Physician, Hartford.

Albert Eugene Johann, A. B., Christian, 1906; Grad. Student, Chicago, Summer of 1906; Senior House Officer, Boston Floating Hosp. (Summer, 1911); Interne, Boston Children's Hospital, 1910-12.—Physician, Minneapolis, Minn.

Samuel Laban Ledbetter, Jr., S. B., Alabama, 1906.—Res. Surg., Lakeside Hosp., and Clin. Asst. Surg., Med. Dept., West. Reserve Univ., Cleveland.

Ralph Herman Major, A. B., William Jewell, 1902; Student, Leipzig, Munich and Chicago, 1904-06; Resident House Officer, 1910-11; Asst. Res. Physician, and Asst. in Med. 1910-12.—Instr. Pathol., Stanford Med. Sch., San Francisco.

Albert Francis Mattice, S. B., South Dakota State Coll., 1904, Ph. G., Washington State Coll., 1906; Ophthal. Clinic and Bacteriol. Research with Prof. Theo. Axenfeld, Freiburg, Germany, 1911-12; Ophthal. Clinic and Pathol. with Prof. E. Fuchs, Vienna, Austria, 1912-14.—Neurol. Research with Prof. Marburg, Vienna.

Sydney Robotham Miller, S. B. New York Univ., 1905; Resident House Officer, 1910-11.—Asst. in Medicine and Director of Med. Lab'y, Phipps Psychiatric Clinic, and Physician, Baltimore.

Dana Elbra Monroe, A. B, Texas, 1906; Interne, Nursery and Child's Hosp., N. Y. — House Officer, Post-Grad. Hosp., N. Y.

Raymond Bartlett Morris, A. B., Yale, 1907, and Student of Medicine, 1906-07; Interne, Union Protestant Infirmary, Baltimore, 1910-11.—Physician, Olean, N. Y.

Angus Washburn Morrison, A. B., Yale, 1906; Interne, Royal Victoria Hosp., Montreal, 1910-11; Europe, 1911-12.—Clin. Asst. Nerv. and Mental Diseases, Univ. Minnesota, Minneapolis.

Douglas Howell Morse, S. B., California, 1907, and Med. Student, 1906-07; Resident House Officer, 1910-11.—Clin. Path., Wash'g Univ. Med. Sch., St. Louis.

James Craig Neel, Ph. B., Marietta, 1906; Resident House Officer, 1910-11.—Asst. Res. Gynecol.

William Bradford Newcomb, A. B., William and Mary, 1906.—House Phys., New York Hosp., 1910-12.—Asst. Pathol., *ibid.*

Firmadge King Nichols, A. B., 1906.—Assoc. in Gynecol. and Obstet., St. Agnes' Hospital; Instr. in Physiol., Coll. P. and S., 1st Lieut. Med. Res. Corps, U. S. Army, and Phys'n, Balt.

Samuel Timothy Nicholson, Jr., A. B. North Carolina, 1906; Res. Physician, Telfair Hosp. for Women, Savannah, Ga., June, 1910-July, 1911; Visiting Phys., St. Joseph Lead Co. Hosp., Bonne Terre, Mo., July, 1911-Dec., 1911; Assist. Clinical Pathology, Washington Univ. Hosp., St. Louis, 1912; Supt., Sydenham Hosp. for Infectious Diseases, Baltimore.

Willey Higby Norton, A. B., Ohio, 1906.—Res. Gynecol., Lakeside Hospital, Cleveland, 1910-12; Res. Surg., Hinton Hosp., Hinton, W. Va., 1912-13.—Phys. and Surg., Portland, Ore.

Thomas Grover Orr., A. B., Missouri, 1907; Student of Medicine, 1906-07; Interne, Kansas City Gen'l Hosp., Mo. (July 1 to Jan. 1); House Officer, Hudson St. Hosp., New York, 1911-12; House Surg., St. Mary's Hosp. for Children, N. Y., 1912-13.—Physician, Bosworth, Mo.

Jean Paul Pratt, A. B., Ohio State, 1906; Resident House Officer, 1910-11.—Asst. Res. Surg.

Chesney Macauley Ramage, S. B., West Virginia Univ., 1907.—Asst. Surg., Miners' Hosp. and Physician, Fairmont, W. Va.

Robert Lewis Rhodes, A. B., Emory, 1906.—Assoc. in Surg., Jefferson Surg. Hosp., Roanoke, Va.

Harry Hungate Robinson, A. B., Michigan, 1907, Med. Student, 1906-08; Interne, St. Elizabeth's Hosp., Elizabeth, N. J., 1910-12.—Physician, Spokane, Wash.

Walter Black Rogers, A. B., Washington and Jefferson, 1906; Interne, St.

Francis' Hospital, Pittsburgh, 1910-11.—Asst. Res. Surg., Lakeside Hosp., Cleveland.

Alice Rhode, S. B., Chicago, 1903.—Mary Putnam Jacobi Fellowship, Berlin, Germany.

James Wendel Rosenfeld, A. B., Leland Stanford, Jr., 1906; Asst. Physician, Kgl. Univ., Kinderklinik, Breslau, 1910-12; Instructor in Pediatrics, Univ. of Oregon, and Pediatrician, Portland.

Raymond Sanderson, S. B., Princeton, 1905; Asst. Res. Phys., The Sanitarium, Clifton Springs, N. Y., 1910-11.—Bact. and Pathol., Ontario and Yates Counties Lab., Canandaigua, N. Y.

Raphael Eustace Semmes, Jr., A. B., Missouri, 1907, and Student of Med., 1906-07; Resident House Officer, 1910-11; Interne Woman's Hosp., N. Y., 1911-12.—Asst. Chair. Surg., and Clin. Surg., Univ. Tenn.; Asst. Attend. Surg., Brinkley Mem. Hosp. and Physician, Memphis, Tenn.

Herbert Milford Senseny, A. B., Adelbert, 1906; Interne, Milwaukee Co'ty Hosp., Wauwatosa, Wis., 1910-12.—Aural Surgeon, Ft. Wayne, Ind.

John William Sheetz, Ph. B., Franklin and Marshall, 1906; Interne, St. Francis' Hosp., Pittsburg, 1910-12; Asst. Res. Physician, 1912-13—.

Henry Augustus Stephenson, A. B., Randolph-Macon, 1906; Resident House Officer and Asst. Res. Obstet., 1910-12.—Res. Obstetrician and Instr. in Obstetrics.

Howard Lester Taylor, A. B., Oberlin, 1906.—Res. Physician, Lakeside Hosp., Cleveland.

William Lawson Thornton, S. B., Alabama Polytech., 1903; Interne, Union Protestant Infirmary, 1910-12.—Physician, Talladega, Ala.

Thomas Palmer Tredway, A. B., Western Maryland, 1906; Interne, Adrian Hospital, Punxsutawney, Pa., 1910-11.—Physician, Erie, Pa.

Arthur deTalma Valk, A. B., St. John's, 1906, M. A., 1911; Resident House Officer, 1910-11; Res. Surg., Kernan Hosp. for Crippled Children, 1911-12.—Surg., Winston-Salem, N. C.

Herbert Francis Vanorden, Ph. B., Yale, 1907, and Student of Medicine, 1906-07; Jr. Int., Boston Floating Hosp., 1909; Interne, Kansas City Gen'l Hosp., 1910-11.—Physician, Kansas City, Mo.

Clyde Emil Watson, S. B. West Virginia, 1905; Interne, The Samuel Merritt Hosp., Oakland, Cal., 1910; Asst. Prof. Anat. and Path., West Virginia Univ., and Physician, Morgantown, W. Va., 1910-12.—Physician, Kingwood, W. Va.

Helen Watson (Mrs. M. C. Winternitz), A. B., Wellesley, 1905; Resident House Officer, 1910-11.—Asst. Res. Physician and Asst. in Medicine.

Milton Weinberg, A. B., South Carolina, 1906; Asst. Dir., Rural Sanitation for So. Carolina, Manning, 1910-12.—Physician, Telfair Hosp. for Women, and Physician, Savannah, Ga.

Theodore Henry Wenning, A. B., St. Xavier, 1904; Grad. Student, Cincinnati, 1904-06; Interne, Roosevelt Hospital, N. Y., 1910-12.—Europe.

Miley Barton Wesson, Jr., S. B., Texas, 1902; Interne Hudson St. Hospital, N. Y., 1910-12.—Surg., El Paso and S. W. R. R., El Paso, Director, El Paso Pasteur Inst., and Physician, El Paso, Texas.

James Harvey Whitcraft, S. B., Wooster, 1905; Interne, Kansas City Hospital, Mo. (after Jan. 1, 1911).—Physician, Wilkinsburg, Pa.

Luke V. Zartman, A. B., Ohio State, 1906; Interne, Hospital for Women of Maryland; Act. Asst. Res., J. H. H., 1910-11; Res., Church Home and Infirmary, 1911-12.—Physician, Columbus, O.

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1911

Lester Adams, A. B., Bowdoin, 1907; Interne, St. Francis' Hospital, Pittsburgh, Pa., 1911-12.—Res. Phys., City Hosp., Bay View.

Cary Fink de Angulo, A. B., Vassar, 1906; Student, Harvard, 1911-12.—Stanford Univ., Calif.

John Van Doren Bedlinger, S. B., Princeton, 1907; Interne, Willard Parker and Bellevue Hosps., N. Y., 1911-1913.—Physician, Louisville, Ky.

Walter Scott Bennett, A. B., Colgate, 1904; Interne, Norwegian Hosp., Brooklyn, N. Y., 1911-12.—Resident, Seton Hosp., N. Y.

William Edwin Bird, Jr., A. B., 1907; Asst. Res. Surg., St. Agnes' Hosp., Baltimore, 1911-12.—Resident Surg., *ibid.*

Arthur Leonard Bloomfield, A. B., 1907; Resident House Officer, 1911-12.—Asst. Res. Physician, and Asst. in Medicine.

John Rochester Booth, A. B., Randolph-Macon, 1907. — Interne, Bellevue Hosp., N. Y.

George Edward Brockway, Jr., A. B., Williams, 1907; Summer Session, Cornell, 1907.—Interne, Kings Co. Hosp., Brooklyn, N. Y.

Barney Brooks, S. B., Univ. of Texas, 1905; Resident House Officer, 1911-12.—Asst. in Surg., Wash'g Univ. Med. Sch., and Surgeon, St. Louis.

Earle Buell Carter, Ph. B., Yale, 1907.—Interne, Norwegian Hosp., Brooklyn, N. Y.

Joseph David Cohn, A. B., Univ. of Texas, 1907.—Visit'g Physician, Spohn Sanitarium; 1st Lieut. Med. Corps, Texas Nat. Guard, and Physician, Corpus Christi, Tex.

John Collinson, Jr., A. B., St. John's, 1907; Interne, James Walker Mem. Hosp., Wilmington, N. C., 1911-12;

Res. Phys., Polyclinic Hosp., Philadelphia, 1912-13.—Interne, N. Y. Nursery and Child's Hosp., N. Y.

John Archibald Campbell Colston, Ph. B., Yale, 1907; Resident House Officer, 1911-12.—Asst. Res. Surg.

Melton Downie Council, Ph. B., Emory, 1905; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Res. Phys., Macon (Ga.) Hosp.

Francis Randolph Crawford, A. B., Washington and Lee, 1906; Interne, St. Francis' Hosp., Pittsburgh, 1911-12.—Asst. Surg., Clifton Springs Sanitarium, N. Y.; Europe, 1913-14.

David Melvin Davis, S. B., Princeton, 1907; Interne, City Hosp., Bay View, 1911-12.—Asst. in Pathol.

William Thomas De Sautelle, A. B., Wisconsin, 1908, and Student of Med., 1907-08; Interne, Harlem Hosp., New York., 1911-1912. — Pathol., Lincoln Mem. Hosp., Knoxville, Tenn.

William Milas Dunn, A. B., Davidson, 1903; Summer Session, Columbia, 1907.—House Officer, Mass. Gen'l Hosp., Boston.

Ralph Henry Dunning, A. B., Yale, 1907; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1911-12.—Interne, St. Lawrence State Hosp., Ogdensburg, N. Y.

Hiram Fried, A. B., 1907; Interne, City Hosp., Bay View, 1911-1912.—Asst., Phipps Research Lab. for Tuberculosis, and Physician, Baltimore.

William Archibald Frontz, A. B., Princeton, 1907; Resident House Officer, 1911-12.—Clin. Asst. G.-U. Disp.

William Dixon Fullerton, Ph. B., Yale, 1907; Res. Gynecol., Lakeside Hosp., Cleveland, 1911-13.—Interne, Sloane Maternity Hosp., N. Y.

Hiram Mary Gallagher, A. B., Catholic Univ. of America, 1907; Summer Session, Univ. of Chicago, 1907; Winter Semester, Freiburg, 1908-09.—Interne, St. Francis' Hosp., New York.

Thomas Henry Gilland, Ph. B., Lafayette, 1907; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Physician, Greencastle, Pa.

Ernest Owsley Grant, A. B., Central Univ. of Ky., 1907.—Interne, Lakeside Hosp., Cleveland.

Ernest George Grey, A. B., Wisconsin, 1907; Asst. in Anat., and Student of Medicine, 1907-08; Resident House Officer, 1911-12.—House Officer, Peter Bent Brigham Hosp., Boston.

Elmer Chester Gross, B. L., Whitman College, 1906; Resident Physician, Seattle Gen'l Hosp., Seattle, Wash., 1911-12.—Physician, Seattle, Wash.

Roy Wallace Hammack, A. B., Univ. of Oregon, 1907.—Assist. Prof. Path. and Bact., Coll. of Medicine and Surgery, University of the Philippines, Manila.

Clifford Clinton Hartman, S. B., and M. S., Pennsylvania College, 1907; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12.—Fellow in Path., U. of P'gh. Med. Sch., Pittsburgh.

William Hall Hawkins, A. B., Central Univ. of Ky., 1906; Student, Hosp. Coll. of Medicine, 1906-07.—Interne, Bellevue Hosp., New York.

Ernest Singleton Hendry, A. B., 1907.—Asst. Res. Phys., Union Protestant Infirmary, Baltimore.

William Brawner Hetfield, A. B., Catholic Univ. of America, 1907; Interne, Brooklyn Hosp., New York, 1911-13.—Asst. Surg., U. S. Navy, Wash'g., D. C.

Anna Hubert, A. B., Univ. of Washington, 1901, and A. M., 1904; Resident House Officer, 1911-12; Asst. Res. Surg., N. E. Hosp. for Women and Children, Boston, 1912.—Res. Surg., N. Y. Infirmary for Women and Children.

William Rutledge Hudson, A. B., Washington and Lee Univ., 1906.—Interne, Hosp. for Women of Maryland, Balt.

John Atkinson Hunnicutt, Jr., A. B., Univ. of Georgia, 1907; Interne, Lakeside Hosp., Cleveland, 1911-12; Asst. in Surgery, 1912-13.—Surgeon, Baltimore.

Barbara Hunt, A. B., Vassar, 1906; Univ. of Maine, Summer Sch., 1907; Interne, N. Y. Infirmary for Women and Children, 1911-12.—Physician, Bangor, Me.

George Ives, A. B., Wisconsin, 1907; Med. Student, Univs. of Chicago and Wisconsin, 1907-09.—Asst. State Bacteriologist, Montgomery, Ala.

Conrad Jacobson, S. B., Beloit, 1900; Grad. Student, Chicago, three Summer Qrs.; Assistant in Surgery, Hunterian Laboratory, 1911-12.—Asst. Res. Surg., Peter Bent Brigham Hosp., Boston.

Nancy Blanche Jenison, A. B., Wells, 1898; Grad. Student, Chicago, 1907.—Asst., Med. Clinic, N. Y. Infirmary for Women and Children, and Mt. Sinai Disp., and Physician, N. Y.

Charles Chauncey Winsor Judd, A. B., Kenyon Coll., 1907; Interne, Union Protestant Infirmary, Baltimore, 1911-12.—Instr. Clin. Pathol., Coll. P. and S., and Res. Pathol., Mercy Hosp.

Norman Macdonnell Keith, A. B., Toronto, 1908, and Medical Student, 1906-08.—Interne, New York Hosp., N. Y.

Lloyd Warren Ketron, A. B., Grant Univ., 1907.—Asst. in Dermatol. Disp.

Tedrow Sylvester Keyser, A. B., Wittenberg, 1907; Interne, Lakeside Hosp., Cleveland, 1911-12; Interne, Bloomingdale Hosp., 1913.—Interne, Phipps Psychiatric Clinic.

Oliver Kinsey, Jr., A. B., Virginia, 1907, and Medical Student, 1907-09; Interne, Church Home and Infirmary, Baltimore, 1911-12.—Surg., U. S. Army, Ft. Washington, Md.

Arthur Charles Kissling, A. B., Wisconsin, 1906, and Medical Student, 1907-09; Interne, Jefferson Surgical

Hosp., Roanoke, Va., 1911-12.—Physician, Milwaukee, Wis.

Benjamin Schönbrun Kline, A. B., Swarthmore, 1907; **Interne, City** Hosp., Bay View, 1911-12.—**Asst. in** Pathol.

Howard James Knott, S. B. Whitman Coll., 1907. — Resident Physician, Seattle General Hosp., Seattle, Wash.

Linda Bartels Lange, A. B., Bryn Mawr, 193.—Interne, N. Y. Infirmary for Women and Children, 1911-12.—Fellow in Pathol., Rockefeller Inst.

Warren Eugene Leaper, A. B., Wisconsin, 1908, and Student of Medicine, 1907-08; Interne, Rhode Island Hosp., Providence, 1911-13.—Physician, Green Bay, Wis.

Veader Newton Leonard, Ph. B., Yale, 1907; Student, Univ. of Freiburg, 1907-08; Resident House Officer, 1911-12.—Asst. Res. Gynecol.

William Henry Licht, S. B., Trinity Coll. (Hartford), 1907.—House Physician, Hartford Hosp., Hartford, Conn.

Hans Lisser, A. B., California, 1907; Resident House Officer, 1911-12.—Europe.

Drew William Luten, A. B., Kentucky State Univ., 1901; Fellow, Vanderbilt Univ., 1903-04; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12.—Physician, Internat. Harvester Co., Deering, Mo.

John Thomson MacCurdy, A. B., Toronto, 1908, and Student of Medicine, 1906-08; Fellow in Pathology, 1911-12.—Europe.

Herbert Lee McNeil, A. B., Southwestern Univ., 1906; Grad. Student, Univ. of Texas, 1906-07; Interne, St. Agnes' Hosp., Baltimore, 1911-12; Interne, Willard Parker Hosp. (4 mos.); Phys. in chg. Floating Hosp., St. John's Guild, N. Y. (2 mos.).—Physician, Houston, Texas.

Monroe A. Maas, A. B., Univ. of Alabama, 1907; Asst. Res., Church Home and Infirmary, Baltimore, 1911-13.—Res. Phys. and Surg., *ibid.*

Charles Goodwin Merriam, A. B., Yale, 1907.—Surg., E. E. White Coal Co., Stotesbury, W. Va.

James Raglan Miller, A. B., Yale, 1907.—Voluntarärzt, Königl. Frauenklinik, Munich, Germany.

James Aloysius O'Donnell, A. B., Loyola, 1906; Graduate Student, 1906-07; Res. Gynecol. and Obstet., St. Joseph's Hosp., 1911-13.—Physician, Baltimore.

Ralph Sherburne Perkins, A. B., Dartmouth, 1907; Interne, Worcester City Hosp., Worcester, Mass., 1911-12.—Physician, Exeter, N. H.

Everett Dudley Plass, A. B., Colgate, 1907; Resident House Officer, 1911-12.—Asst. in Obstet. and Asst. Res. Obstet. for 1913-14.—Asst. Res. Gynecol., Sloane Maternity Hosp. for Women, N. Y.

Caryl Ashby Potter, A. B., Missouri, 1908, and Student of Medicine, 1907-08; House Gynecol., Roosevelt Hosp., New York, 1911-13.—Surgeon, St. Joseph, Mo.

Ira Humphrey Prouty, S. B., Dartmouth, 1907; Interne, Thomas Wilson Sanitarium for Children (Summer, 1911).—Attend. Phys., Rockingham Hosp., and Physician, Bellows Falls, Vt.

Arthur Samuel Rosenfeld, A. B., Leland Stanford, Jr., 1907.—Interne, Mt. Sinai Hosp., N. Y.

Augusta Rucker, A. B., Univ. of Texas, 1896, and A. M., 1900; Med. Dept., Wisconsin, June-Oct., 1907, and May-Oct., 1908; Interne, Babies' Hosp., N. Y., 1911-12; House Phys., N. Y. Infirm. Women and Children.—Attend. Surg., Ortho. Hosp. and Disp.; Asst. Babies' Class., Lying-in Hosp., and Physician, N. Y.

Charles E. Rynd, S. B., Hamilton, 1907; and M. S., 1910.—Europe, 1911-12; after June, 1912, Interne, Kings Co. Hosp., Brooklyn, N. Y.

Dwight Milton Sawyer, Ph. B., Wesleyan (Conn.), 1906; House Phys., Nursery and Child's Hosp., N. Y.

Mabel Seagrave, A. B., Wellesley, 1905; Interne, N. Y. Infirmary for Women and Children, 1912-1913.—Physician, Seattle, Wash.

Walter Gresham Sexton, A. B., Wisconsin, 1908, and Student of Medicine, 1907-08; Resident House Officer, 1911-12.—Med. Supt., The Hebrew Hosp.

Paul Rothrock Sieber, A. B., Pennsylvania Coll., 1907.—Res. Surg., St. Francis' Hosp., Pittsburgh.

William Knepper Skilling, A. B., 1906.—Asst. Phys., J. H. Disp., and Physician, Baltimore.

Helen Willston Smith (Mrs. Sanger Brown), A. B., Bryn Mawr, 1906; Resident House Officer, 1911.—Bloomingdale, White Plains, N. Y.

Roy Ross Snowden, A. B., Washington and Jefferson, 1907, and A. M., 1912; Res. Phys., City Hosp., Bay View, 1912-13.—Asst. Res. Physician, and Asst. in Medicine.

Lewis Cass Spencer, S. B., Tulane, 1907; Grad. Student, Albert Ludwig Univ., Freiburg, 1908-09.—Asst. Res. Surg.

Marshall Byron Sponsler, A. B., Ursinus, 1907.—Interne, St. Francis' Hosp., New York.

Alexander McCulley Stevens, A. B., St. John's, 1907.—Easton.

George Adolph Stewart, A. B., 1907.—Res. Phys., St. Agnes' Hosp., Balt.

Edgar Stillman, A. B., Leland Stanford, Jr., 1907.—Interne, Bellevue Hosp., New York.

Thornton Edwin Vail, Ph. B., Yale, 1907.—Asst. Res., Elmcroft Sanitarium, Thompsonville, Conn.

Clifford Black Walker, S. B., California, 1906, and Medical Student, 1906-09; M. A., J. H. U., 1912; Asst. to Dr. Cushing, 1911-1912.—Senior Ophthalmic House Surg., Mass. Char. Eye and Ear Infirm., Boston.

William Joshua Weese, S. B., and A. B., Missouri, 1905, and Medical Student,

1907-1909; Res. Phys., Santo Tomas Hosp., Panama City, 1911-13.—Physician, Ontario, Ore.

Isidore Kalisch Wiener, A. B., Princeton, 1907.—Interne, Blackwell's Island, New York.

Edwin Robert Wiese, A. B., Western Univ. of Penna., 1907.—Student, Univ. of Berne, Switzerland.

Claud May Winn, S. B., Tulane, 1906, and Student of Medicine, 1906-07.—Chief of Laboratories, Santo Tomas Hosp., Panama City.

Julian Mast Wolfsohn, S. B., California, 1905, and M. S., 1907; Resident House Officer, 1911-12.—Instr. in Neurol., Med. Dept. Leland Stanford, Jr., Univ., Visit'g Neurol., San Francisco Hosp., and Physician, San Francisco, Calif.

Jaime de Angulo, B. ès Lett., Univ. of Paris, 1906; Cooper Med. Coll., 1906-07; Instr., Eugenics Comm., Amer. Breeders' Ass'n, St. Matthews, Ky., 1912-13.—Grad. Student, Univ. Calif., Berkeley. (*Degree granted January* 8, 1912.)

George Washington Cox, S. B., Chicago, 1907.—Interne, Hartford, Hosp., Hartford, Conn. (*Degree granted January* 8, 1912.)

Robert George McAliley, S. B., Davidson, 1904; Med. Student, Univ. of Md., 1907-08.—Interne, R. I. Hospital, Providence. (*Degree granted January* 8, 1912.)

Ernest Luther Morgan, S. B., Wake Forest, 1907; Med. Student, *ibid.*, 1905-07; Interne, Providence Hosp., Washington, D. C. (Jan.-Oct, '12).—Asst. in Anat., Georgetown Med. Sch., and Physician, Washington, D. C. *Degree granted January* 8, 1912.)

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1912

Clarence Ladelle Andrews, S. B., Louisiana State, 1908; Univ. of Strassburg, Germany, 1909; Interne, Jefferson Surg. Hosp., Roanoke, Va.—Prof. Anatomy, Univ. of Mississippi, and Physician, Oxford, Miss.

Edwin I. Bartlett, A. B., Washington State, 1908; Univ. of Strassburg, 1909.—Interne, St. Agnes' Hosp., Balt.

Joseph Howard Beard, A. B., St. John's, 1902.—Instr., Physiol. and Histol., Univ. of Illinois, and Phys., Urbana.

*Jane Elizabeth Bigelow, A. B., Butler, 1907; Interne, N. Y. Infirmary for Women and Children, 1912-13.—(Died March 11, 1913, New York.)

Charles Albert Bowers, S. B., West Virginia, 1908.—Asst. Res. Surg., Lakeside Hosp., Cleveland.

Eveleth Wilson Bridgman, A. B., 1908; Medical and Pathological Interne, Ancon Hosp., C. Z., Summers of 1910 and 1911; Resident House Officer, 1912-13.—Asst. Res. Phys., and Asst. in Medicine.

Cyrus Cathey Brown, A. B., Arkansas, 1908.—Anaesthetist, St. Francis' Hosp., Pittsburgh.

John Lewis Butsch, S. B., Purdue, 1905.—Assoc. Prof. Materia Medica, Thera. and Pharm., Med. Dept., Univ. of Buffalo.

Raymond John Cary, S. B., Iowa, 1906; Chicago, Summer session, 1904 and 1905; Med. Student, Western Reserve, 1908-10.—Res. Phys., St. Francis' Hosp., Pittsburgh.

Burns Stoddard Chaffee, A. B., Leland Stanford, Jr., 1908.—Interne, U. P. Infirmary.

Alan Mason Chesney, A. B., 1908; Resident House Officer, 1912; Asst. Res., Hosp. Rockefeller Inst., N. Y., 1913.—Asst. Res. Phys. and Asst. in Medicine.

Jacob Cohen, A. B., 1908.—Interne, City Hospital, Bay View.

Marye Yeamans Dabney, Ph. B., Chicago, 1908.—Interne, R. I. Hosp., Prov'dce.

Edwin Greene Davis, A. M., Nebraska, 1909, and Med. Student, 1908-10.—Interne, Union Protestant Infirmary.

William Milton Dumm, S. B., Ohio Wesleyan, 1908; Resident House Officer, 1912-13.—Assist. Res. Gynecol.

Milton Thomas Edgerton, Jr., A. B., Georgia, 1908.—Interne, City Hosp., Bay View.

Roland Frederick Fisher, S. B., Wisconsin, 1909, and Medical Student, 1907-09.—Asst. Res. Surg., Washington Univ. Hosp., St. Louis.

Mary Randolph Fleming, A. M., Randolph-Macon Woman's Coll., 1902; Interne, Hardman Sanatorium, Commerce, Ga., 1912-13.—Physician, Fargo, N. D.

Ovid Clemmons Foote, A. B., Wake Forest, 1908.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Winter Reginald Frantz, S. B., West Virginia, 1908.—Interne, Bellevue Hosp., N. Y.

Willa May Fricke, A. B., Barnard, 1906; 2½ years Med. Coll. and Hosp. for Women and Children, 1906-09; Externe in Obstetrics, 1912-13.—Asst. Res. Obstetrician.

Julian Eugene Gammon, S. B., Florida, 1908.—Interne, St. Agnes' Hosp. (to December, 1912); Lakeside Hosp., Cleveland.

James Heyward Gibbes, A. B. and S. B., South Carolina, 1908; Asst. Res. Physician, 1912-13.—Physician, Collumbia, S. C.

William Lee Gills, A. B., Randolph-Macon, 1905.—Interne, Hartford Hosp., Conn.

Frederick Akin Glass, A. B., Central (Ky.), 1808.—Interne, Lakeside Hosp., Cleveland.

Ernest William Goodpasture, A. B., Vanderbilt, 1907; Rockefeller Fellow in Pathol., J. H. U., 1912-13.—Asst. Res. Pathol.

Roscoe Willis Hall, Ph. B., Dickinson, 1908.—Interne, City Hosp., Bay View.

James B. Holmes, A. B. and A. M., Vir-

ginia, 1910, and Med. Student, 1908-09; Med. Student, Göttingen, Summer, 1911; Asst. Phys., Eudowood Sanatorium, 1912-13.—Asst. Phys., Harriet Lane Home, J. H. H.

Samuel Haymann Hurwitz, A. B., Harvard, 1907, and A. M., 1908; Univ. of Strassburg, 1909; Special Student, Inst. Infect. Diseases, Berlin, Summer, 1911; Resident House Officer, 1912-13.—House Officer, Peter Bent Brigham Hosp., Boston.

Helmina Jeidell, A. B., Barnard, 1908; Special Student, Pasteur Inst., Paris, Summer, 1909; Resident House Officer, 1912-13.—Asst. Res. Obstetrician, Sept. 1 to Jan. 1, 1914.

Rudolph Alfred Kocher, A. B., Leland Stanford, Jr., 1908; Student of Med., Leipzig, 1909-10.—Graduate work, Vienna.

Henry Hoffman Loos, A. B., 1908.—Res. Physician, St. Agnes' Hosp.

Walter Guy Lough, S. B., West Virginia, 1908.—Interne, N. Y. Post-Graduate Hosp., N. Y.

Oswald Swinney Lowsley, A. B., Leland Stanford, Jr., 1908.—Surg. Interne, Bellevue Hosp., N. Y.

Harvey Ross McAllister, A. B., Penna. Coll., 1908.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

William Bradbury McClure, S. B., Penna. Coll., 1908; Resident House Officer, Asst. Res. Surg, and Asst. in Surgery.

Hugh McCulloh, A. B., Arkansas, 1908.—Res. Phys., Washington Univ. Hosp., St. Louis.

William Lawrence Millea, A. B., Clark, 1908; Resident House Officer, 1912-13.—Asst. Res. Obstetrician, and Asst. in Obstetrics.

Edgar Allen Miller, S. B., Penna. Coll., 1908.—Interne, St. Francis' Hosp., Pittsburgh.

Knox Emerson Miller, A. B., William Jewell, 1908.—Dist. Inspector, Va. State Board of Health, Richmond.

Nathaniel Mills, A. B., Williams, 1908.—Interne, St. Francis' Hosp., New York.

William Haviland Morriss, A. B., Haverford, 1908; Resident House Officer, 1912-13.—Asst. Res. Hosp. for Women of Maryland.

William Neill, Jr., A. B., St. John's, 1908.—Interne, Church Home and Infirmary.

Ralph Wilbur Nichols, Ph. B., Yale, 1998.—Interne, Boston Floating Hosp., Summer, 1912; after October 1st, Sr. Interne, New Haven Hosp., New Haven, Conn.

Louise Pearce, A. B., Leland Stanford, Jr., 1907; Boston Univ. Sch. of Medicine, 1907-09; Resident House Officer, 1912-13; House. Phys., Phipps Psychiatric Clinic.—Resch. Fellow, Pathol., Rockefeller Inst. for Med. Research, N. Y.

Charles Hamlin Pelton, A. B., Trinity (Conn.), 1905.—Interne, Essex Co. Isolation Hosp., Belleville, N. J.

Maurice Charles Pincoffs, Jr., S. B., Chicago, 1909; Rush Med. Coll., 1906-09; Grad. Sch., 1909-10.—Interne, Presbyterian Hosp., Chicago.

Martin Hayward Post, Jr., A. B., Amherst, 1908.—Interne, City Hospital, St. Louis.

Carl Wheeler Rand, A. B., Williams, 1908, and A. M., 1909; Resident House Officer, 1912-13.—Asst. Surg., Peter Bent Brigham Hosp., Boston.

Charles Dwight Reid, Jr., A. B., Williams, 1908.—Interne in Surg., German Hosp., New York.

Mont Rogers Reid, A. B., Roanoke, 1908; Resident House Officer, 1912-13.—Asst. Res. Pathol.

Harold Irwin Reynolds, A. B., Georgia, 1908.—Interne, Woman's Hosp. of Maryland.

Max Spencer Rohde, S. B., Chicago, 1908.—Interne, Kansas City General Hospital, Mo.

Peter Benjamin Sarason, A. B., Yale, 1909, and Med. Student, 1907-09; Resident House Officer, 1912-13.—Interne, Jewish Hosp., Brooklyn, N. Y.

Henry Christian Schmeisser, A. B., 1908.—Fellow in Pathology.

Raymond Louis Schultz, S. B., Wisconsin, 1908, and Med. Student, 1908-10.—Interne, Milwaukee Co. Hosp., Wis.

Nathan P. Sears, Ph. B., Syracuse, 1908.—Interne, Church Home and Infirm.

Reginald Oliver Sellman, A. B., 1908.—Res. Phys., Biedler-Sellman Sanitarium.

Rolla J. Shale, A. B., Oberlin, 1908; Res. Phys., Wilkes-Barre Hosp., Pa., 1912-13.—Physician, Warren, O.

Ellery DeWitt Simpson, A. B., Western Maryland, 1908; Interne, St. Luke's Hosp., St. Paul, Minn., 1912-13.—Surgical Pathol., Mayo Clinic, Rochester, Minn.

Warren Richards Sisson, A. B., Colgate, 1906; Student of Med., Freiburg, Summer session, 1910; Univ. of München, Winter semester, 1910-11, and Univ. Heidelberg, Summer session, 1911.—Med. House Officer, Peter Bent Brigham Hosp., Boston.

Harry Richmond Slack, Jr., A. B., Georgia, 1908.—Asst. Resident Surgeon, and Asst. in Throat, Nose and Ear.

Trammell Starr, A. B., Emory, 1908; Interne. City Hospital. Bay View, 1912-13.—Asst. Res. Phys., Church Home and Infirmary, Baltimore.

Thornton Stearns, A. B., Davidson, 1906.—Interne, Mass. Gen'l Hosp., Boston.

Holland Newton Stevenson, 2nd, Ph. B., Yale, 1908.—Assistant in Pathology.

Abraham Strauss, A. B., Harvard, 1909. Interne, Mt. Sinai Hosp., New York.

David Corbin Streett, A. B., 1908; Resident House Officer, 1912-13.—Asst. Physician in Chg. Dispensary Lab.

John Sundwall, S. B., Chicago, 1903; Ph. B., 1906, and Med. Student, 1906-08; U. S. Public Health and Marine

Hospital Service, Washington, D. C., 1912.—Prof. Anat., Univ. of Kansas, Lawrence.

Harry Roswell Wahl, A. B., Wisconsin, 1908, and A. M., 1910, and Med. Student, 1908-10.—Res. Pathologist, Lakeside Hospital, and Instr. in Pathol., West. Reserve Univ., Cleveland.

Arthur L. Walters, S. B., Purdue, 1904; Interne, City Hospital, Providence, R. I. (Summer, 1912); Interne, Harriet Lane Home, J. H. H., 1912-13.—Asst. Dir., Scientific Lab's, E. Lily and Co., Indianapolis, Ind,

Charles Hansell Watt, S. B., Davidson, 1906; Resident House Officer, 1912-13.—Asst. Res. Surg.

Adriel Clark Weakley, A. B., Georgetown (Ky.), 1904.—Interne, Brooklyn Hosp., N. Y.

Lewis Hill Weed, A. B., Yale, 1908, and A. M., 1909.—Arthur Tracy Cabot Fellow in chg. Lab. Surg. Research, Harvard, and Peter Bent Brigham Hosp., Boston.

Paul Wegefarth, A. B., 1908; Student of Medicine, Strassburg and Berlin, 1909-11.—Interne, Peter Bent Brigham Hosp., Boston.

Donald Breckenridge Wells, A. B., Yale, 1907.—City Hospital, Providence, R. I. (Summer of 1912); Interne, St. Luke's Hospital, N. Y.

Alexander Watson Williams, A. B., Harvard, 1908; Interne, Union Protestant Infirmary, 1912-13.—1st Lieut., Med. Res. Corps, U. S. A., Washington, D. C.

Francis Thomas Williams, A. B., 1908.—Interne, The Providence Hospital, Washington, D. C.

Eleanor Bittinger Wolf, A. B., Goucher, 1908; Resident House Officer, 1912-13.—

George Baney Wolff, A. B., Ursinus, 1908.—Interne, Sheppard and Enoch Pratt Hospital, Towson.

James Augustus Wood, A. B., Southern, 1907; Univ. of Ala., Summer, 1906.—Interne, N. Y. Foundling Hosp., N. Y.

Harold Burton Woodward, S. B., Wesleyan (Conn.), 1908; Interne, City Hosp., Waterbury, Conn, 1912-13.—Physician, Terryville, Conn.

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1913

Arthur Wilburn Allen, A. B., Georgetown (Ky.), 1909.—Interne, Mass. Gen'l Hosp., Boston.

David Ballantyne Anderson, S. B., Chicago, 1910; Med. Student, Rush, 1908-10.—Res. Phys., Garrett Hosp. for Children, Summer, 1913.—Interne, Mt. Sinai Hosp., N. Y.

Albert Adam Bornscheuer, S. B., Washington and Jefferson, 1909.—Res. Phys., Allegheny Gen'l Hosp., Pittsburgh.

Edith Bronson, A. B., Syracuse Univ., 1909, and Med. Dept., 1909-10.—House Phys., Children's Hosp., San Francisco.

Don Franklin Cameron, A. B., Indiana, 1907; A. M., Chicago, 1909, and Med. Dept., 1909-11.—Interne, St. Luke's Hosp., Chicago.

Noland Mackenzie Canter, A. B., Randolph-Macon, 1909.—Interne, Jefferson Surgical Hosp., Roanoke, Va.

Wilbur Glenn Carlisle, A. B., Ohio Wesleyan, 1909; Summer Qrs., Chicago, 1909.—Resident House Officer.

Henry Wisdom Cave, A. B., Central (Ky.), 1909.—Resident House Officer.

Howard Lee Cecil, A. B., St. John's (Annapolis), 1908.—Resident House Officer.

George Davies Chunn, S. B., Arkansas, 1908. — Interne, Jefferson Surgical Hosp., Roanoke, Va.

Helen Dorothy Clarke, A. B., Vassar, 1909.—Resident House Officer.

Robert Jay Cook, A. B., Iowa State, 1909.—Interne, German Hosp., N. Y.

George Washington Corner, 3rd, A. B., 1909.—Assistant in Anatomy.

Kent Edward Darrow, S. B., N. Dak. Agricul., 1909.—Interne, City Hosp., Seattle, Wash.

Daniel Davis, A. B., Harvard, 1909.—Interne, Ancon Hosp., Panama, Summer, 1913.—Asst. in Physiology.

Thomas Kirby Davis, A. B., Wabash, 1909; Med. Student, Cornell, 1909-10.—Interne, Manhattan State Hosp., N. Y.; after Jan. 1, 1914, Interne, New York Hosp., N. Y.

Howard Henry Dignan, S. B., California, 1910, and Med. Student, 1909-10.—House Phys., German Hosp., Phila.

William Dwyer, S. B., Trinity (Conn.), 1909.—Interne, Hartford Hosp., Hartford, Conn.

Cortlandt Whitehead Wilson Elkin, A. B., Allegheny, 1909.—Interne, Allegheny Gen'l Hosp., Pittsburgh.

Ernest Clyde Fishbaugh, A. B., Indiana, 1910, Fellow, 1910-11, and A. M., 1911; Med. Student, 1909-1911.—Resident House Officer.

Roswell Elmore Flack, A. B., Wake Forest, 1911.—Health Officer, Spray, N. C.

Frederick Lamont Gates, A. B., Yale, 1909.—Fellow, Rockefeller Institute for Med. Research, N. Y.

Linton Gerdine, S. B., Georgia, 1909.—Interne, City Hosp., Bay View.

Clarence Flack Graham, A. B., Yale, 1909.—House Officer, R. I. Hosp., Providence.

Herbert Hart Hagan, A. B., Georgetown (Ky.), 1908.—Interne, Washington Univ. Hosp., St. Louis.

Isaac Picard Heymann, S. B., Louisiana State, 1909.—Interne, Brooklyn Hosp., N. Y.

Charles Crawford Hinton, Ph. B., Emory, 1909.—Interne, City Hosp., Bay View.

Walter Richard Holmes, Jr., A. B., Georgia, 1909. — Resident House Officer.

Gilbert Horrax, A. B., Williams, 1909.—House Officer, Peter Bent Brigham Hosp., Boston.

Lee Howard, A. B., Mercer, 1909.—Asst. to Laryngologist.
James Howard Huddleson, Jr., A. B., Princeton, 1909.—Interne, Ward's Island Hosp., N. Y.
Edgar E. Hume, Jr., A. B., Central (Ky.), 1908, Fellow, 1908-09, and A. M., 1909.—Voluntary Asst. in Neurology.
Amos Francis Hutchins, A. B., St. John's (Annapolis), 1908.—Interne, Union Protestant Infirmary.
Edward Jelks, A. B., Mercer, 1909.—Resident House Officer.
Richard Fulton Kieffer, A. B., Franklin and Marshall, 1907.—Interne, Union Protestant Infirmary.
George August Leonard Kolmer, A. B., Roanoke, 1907, and A. M., 1909.—Dist. Inspector, Va. State B'd Health, Richmond.
Walter Max Kraus, A. B., Harvard, 1910.—Interne, Bellevue Hosp., N. Y.
Charles Adam Laubach, S. B., Muhlenburg, 1909.—Asst. in Hygiene.
Robert Louis Levy, A. B., Yale, 1909.—Resident House Officer.
John Cushman Lyman, S. B., Whitman, 1909.—Interne, Union Protestant Infirmary.
William Clifford McKee, S. B., Pomona, 1908.—House Officer, Calif. Hosp., Los Angeles.
William Howard Michael, A. B., 1909.—Physician, Isthmian Canal Commission, Panama.
Louis D. Minsk, A. B., Yale, 1910, and Med. Dept., 1909-10.—Resident House Officer (Harriet Lane Home).
Chalmers Hale Moore, A. B., Washington and Lee 1909.—Physician, Birmingham, Ala.
John Jamieson Morton, Jr., A. B., Amherst, 1907.—House Officer, Peter Bent Brigham Hosp., Boston.
Aristine Pixley Munn, A. B., Bryn Mawr, 1909.—Clin. Asst., N. Y. Infirm. and Bellevue Med. Coll., N. Y.
William Edward Nesbit, A. B., Arkansas, 1909. — Interne, Jefferson Surgical Hosp., Roanoke, Va.
Merle Cornelius Newkirk, Ph. B., Syracuse, 1909.—Interne, Hosp. for Women and Children, Syracuse, N. Y.
Harold Hastings Newman, A. B., Randolph-Macon, 1909.—Interne, Garfield Mem. Hosp., Washington, D. C.
Herbert Hammond Ogburn, S. B., West Lafayette, 1908; Med. Student, N. C., 1908-09.—Surgeon, Greensboro, N. C.
William Harwood Olmsted, S. B., Coe, 1909. — House Officer, Washington Univ. Hosp., St. Louis, Mo.
Frank Lafayette Paschal, A. B., Texas, 1909; Summer Qr., Chicago, 1908.—Interne, Post-Graduate Hosp., N. Y.
Lawrence Tyler Post, A. B., Yale, 1909.—Resident House Officer.
Grover Francis Powers, S. B., Purdue, 1908.—Resident House Officer (Harriet Lane Home).
William Dandridge Reddish, A. B., Ky. State, 1909.—Interne, R. I. Hosp., Providence.
Maurice Leonard Richardson, S. B., Wisconsin, 1910, and M. S., 1911; Med. Student, 1909-11. Interne, City Hosp., Bay View.
Augusta Ruby Scott, Ph. B., Chicago, 1905; Univs. of Zürich and Freiburg, 1907-1910. — Interne, Infirmary for Women and Children, New York.
Austin Shaw, S. B., Colby, 1909.—House Officer, City Hosp., Seattle, Wash.
Henry Newton Shaw, A. B., Princeton, 1907.—Resident House Officer.
Frederick Janney Smith, A. B., 1909.—Resident House Officer.
Roscoe Roy Spencer, A. B., Richmond, 1909.—Interne, City Hosp., Bay View.
Pearl Mae Stetler, A. B., Wisconsin, 1911, and Med. Student, 1909-11.—Interne, Hosp. for Women and Children, Detroit, Mich.
James Evans Stowers, A. B., Missouri, 1910, and A. M., 1911; Med. Student, 1909-11.—Interne, St. Agnes' Hosp., Baltimore.
Charles Baker Thompson, A. B., Haverford, 1909.—House Officer, Peter Bent Brigham Hosp., Boston.
Martillus Hollis Todd, A. B., 1909.—Resident House Officer.
Leo Stewart Trask, S. B., Colby, 1909.—House Officer, City Hosp., Seattle, Wash.
Francis Berger Trudeau, A. B., Yale, 1909.—Interne, Bellevue Hosp., N. Y.
Joseph Richard Turner, Jr., S. B., Whitworth, 1909.—Resident House Officer (Harriet Lane Home).
Franklin Clark Wagenhals, A. B., Ohio State, 1907, and Grad. Student, 1907-08.—Interne, Bellevue Hosp., N. Y.
Ernest Milton Watson, Ph. B., Brown, 1907, and A. M., 1909.—House Officer, Mass. Gen'l Hosp., Boston.
Ethel Madelaine Watters, A. B., Stanford, 1909, and Med. Dept., 1908-10.—House Phys., Children's Hosp., San Francisco.
Benjamin Francis Weems, Jr., A. B., 1909; Med. Student, Univs. of Berlin and Freiburg, 1910-11.—House Officer, Bellevue Hosp., N. Y.
Norman Harris Williams, Ph. B., Brown, 1909.—Interne, Bellevue Hosp., N. Y.
Frederick William Wittich, A. B., Pennsylvania, 1908.—Res. Phys., Saranac Lake, N. Y.
William Walter Young, A. B., Randolph-Macon, 1909.—House Officer, Peter Bent Brigham Hosp., Boston.
Jacob Landis Zimmerman, A. B., Franklin and Marshall, 1909.—Interne, St. Vincent's Hosp., N. Y.

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(Total 964)

Places of Residence of the Graduates in Medicine of the Johns Hopkins University

Alabama:

Birmingham, ... 8
R. T. Comer, 01.
K. W. Constantine, '05.
C. E. Dowman, '05.
H. Ginsburg, '10.
F. A. Lupton, '99.
E. M. Mason, '06.
C. H. Moore, '13.
H. P. Shugerman, 08.

Clayton, ... 1
N. L. Winn, '06.

Decatur, ... 1
W. W. Dinsmore, '07.

Gadsden, ... 1
H. W. Bass, '06.

Mobile, ... 2
H. P. Cole, '06.
G. J. Winthrop, '06.

Montgomery, ... 2
G. Ives, '11.
P. B. Moss, '09.

Talladega, ... 1
W. L. Thornton, '10.

Alaska:

Ft. St. Michael, ... 1
T. L. Ferenbaugh, '09.

Arizona:

Phoenix, ... 2
C. B. Palmer, '07.
F. H. Redewill, '06.

Arkansas:

Hot Springs, ... 1
J. H. Chesnutt, '07.

California:

Berkeley, ... 3
C. L. Williams, '02.
G. Y. Rusk, '06.
H. S. Thomson, '09.

Los Angeles, ... 13
F. C. Ainley, '06.
W. V. Brem, '04.
C. Burnside, '07.
A. B. Cecil, '09.
J. L. Choate, '10.
R. L. Cunningham, '07.
F. C. Davis, '00.
R. F. Hastreiter, '01.
W. C. McKee, '13.
C. L. Magee, '99.
F. S. Ray, '08.
L. E. Ray, '08.
R. R. Rea, '06.

Palo Alto, ... 1
C. D. Mosher, '00.

Sacramento, ... 3
E. Briggs, '00.
C. M. Faris, '05.
F. F. Gundrum, '08.

San Diego, ... 1
R. S. Carter, '10.

San Francisco, ... 19
H. W. Allen, '00.
E. Brownson, '13.
E. E. Brownell, '99.
J. V. Cooke, '08.
A. L. Fisher, '00.
S. L. Haas, '08.
H. Harris, '99.
G. W. Hartman, '07.
S. Hyman, '02.
A. G. Lyle, '02.
R. H. Major, '10.
A. H. Morse, '06.
R. Patek, '06.
M. Silverberg, '02.
J. M. Slemons, '01.
J. Van Denburgh, '02.
E. M. Watters, '13.
H. I. Wiel, '05.
C. B. Wolfsohn, '11.

Santa Monica, ... 1
E. L. Crispin, '06.

Stanford University, ... 2
C. F. de Angulo, '11.
A. W. Meyer, '05.

University of California, 1
F. P. Gay, '01.

Colorado:

Colorado Springs, ... 4

C. B. Gilbert, '07.
W. W. Williams, '99.
J. R. Stewart, '09.
S. W. Schaefer, '09.

Denver, ... 3

H. G. Garwood, '04.
C. B. Ingraham, Jr., '06.
M. Long, '03.

Connecticut:

Hartford, ... 17

J. L. Birdsong, '09.
H. N. Costello, '10.
G. W. Cox, '11.
C. D. Deming, '10.
E. A. Deming, '08.
W. Dwyer, '13.
W. L. Gills, '12.
A. H. Griswold, '06.
T. N. Hepburn, '05.
H. G. Jarvis, '10.
W. H. Licht, '11.
H. A. Martelle, '05.
H. C. Russ, '06.
W. R. Steiner, '98.
D. W. Tracy, '08.
R. L. Waite, '09.
E. A. Wells, '01.

Litchfield, ... 1

C. H. Turkington, '07.

Middletown, ... 1

H. Rinde, '08.

New Britain, ... 1

C. H. Travis, '03.

New Haven, ... 8

H. G. Barbour, '10.
J. I. Butler, '01.
J. W. Churchman, '02.
J. M. Flint, '00.
D. M. Lewis, '01.
R. W. Nichols, '12.
R. F. Rand, '00.
H. M. Steele, '02.

Norwich, ... 1

P. J. Cassidy, '98.

Stepney, ... 1

G. A. Smith, '07.

Thompsonville, ... 1

T. E. Vail, '11.

Terryville, ... 1

H. B. Woodward, '12.

West Haven, ... 1

R. D. Clarke, '08.

Delaware:

Laurel, ... 1

J. R. Elliott, '09.

District of Columbia:

Washington, ... 28

F. M. Barnes, '07.
J. A. Bass, '09.
J. B. Briggs, '02.
J. Dunlop, '02.
W. G. Erving, '02.
H. A. Fowler, '01.
N. D. Graham, '01.
M. Hahn, '07.
H. H. Hazen, '06.
W. B. Hetfield, '11.
H. M. Kaufman, '01.
H. L. Kelley, '07.
A. H. Kimball, '02.
W. E. H. Krechting, '06.
L. C. Lehr, '02.
J. W. Lindsay, '08.
E. Lootz (Erving), '02.
C. N. McBryde, '97.
J. F. Mitchell, '97.
E. L. Morgan, '11.
H. H. Newman, '13.
H. P. Parker, '01.
P. Preble, '07.
E. H. Reede, '02.
W. F. M. Sowers, '00.
L. Tayler-Jones, '03.
A. W. Williams, '12.
F. T. Williams, '12.

Florida:

Jacksonville, ... 8

G. Day, '06.
H. Hanson, '08.
G. R. Holden, '01.
E. L. Lowell (Stevens), '00.
W. S. Manning, '03.
J. H. Randolph, '04.
C. P. Rogers, '02.
I. C. Youmans, '09.

Zolfo, ... 1

J. R. Frow, '08.

Georgia:

Athens, ... 1

D. H. DuPree, '07.

Atlanta, ... 7

M. L. Boyd, '07.
L. M. Gaines, '03.
J. F. Grant, '03.
J. E. Paullin, '05.
C. M. Remsen, '04.
C. A. Rhodes, '07.
W. F. Shallenberger, '07.

Augusta, ... 3
W. D. Cutter, '05.
W. C. Kellog, '00.
C. D. Partridge, '07.

Macon, ... 2
J. R. B. Branch, '08.
M. D. Council, '11.

Savannah, ... 5
V. H. Bassett, '03.
W. R. Dancy, '00.
R. M. Grimm, '08.
M. Weinberg, '10.
W. S. Wilson, '04.

Thomson, ... 1
B. F. Riley, '03.

Hawaii:

Honolulu, ... 1
W. D. Baldwin, '01.

Illinois:

Chicago, ... 10
A. H. Beifeld, '07.
D. F. Cameron, '13.
H. F. Helmholtz, '06.
G. R. Henry, '07.
L. L. Iseman, '06.
P. Kyes, '00.
F. W. Lynch, '99.
M. C. Pincoffs, '12.
M. J. Rubel, '01.
S. Strouse, '06.

Evanston, ... 1
P. O. Owsley, '99.

Havana, ... 1
C. H. Stubenrauch, '07.

Hospital, ... 1
C. Ricksher, '05.

Jacksonville, ... 1
E. G. Dewey, '03.

Mattoon, ... 1
W. G. Wallace, '09.

Peoria, ... 1
J. H. Bacon, '04.

Urbana, ... 1
J. H. Beard, '12.

Indiana:

Anderson, ... 1
T. M. Jones, '02.

Evansville, ... 1
H. W. Little, '00.

Fort Wayne, ... 1
H. M. Senseny, '10.

Indianapolis, ... 6
H. L. Conner, '10.
C. P. Emerson, '99.
W. D. Gatch, '07.
E. B. Mumford, '05.
J. V. Reed, '04.
A. L. Walters, '12.

Lafayette, ... 1
B. Z. Cashman, '09.

Linton, ... 1
A. A. Thomas, '08.

Madison, ... 1
A. P. Harrison, '07.

Petersburg, ... 1
C. S. Little, '99.

Iowa:

Atlantic, ... 1
M. Emmert, '09.

Cedar Rapids, ... 1
J. Crawford, '09.

Davenport, ... 1
J. T. Haller, '05.

Mt. Vernon, ... 1
F. F. Ebersole, '06.

Tama, ... 1
V. B. Appleton, '06.

Kansas:

Lawrence, ... 1
J. Sundwall, '12.

Leavenworth, ... 1
H. D. Bloombergh, '01.

Kentucky:

Harrodsburg, ... 1
C. B. Van Arsdall, '02.

Lexington, ... 1
J. D. Hunt, '06.

Louisville, ... 3

L. K. Baldauf, '05.
J. V. Bedinger, '11.
J. H. Hathaway, '01.

Louisiana:

New Orleans, ... 1

R. B. Bean, '04.

Maine:

Bangor, ... 1

B. Hunt, '11.

Foxcroft, ... 1

C. C. Hall, '10.

Portland, ... 2

W. B. Moulton, '03.
P. P. Thompson, '06.

Maryland:

Baltimore, ... 181

R. T. Abercrombie, '05.
L. Adams, '11.
M. T. Adkins, '07.
C. R. Austrian, '09.
W. S. Baer, '98.
F. H. Baetjer, '01.
W. A. Baetjer, '09.
J. M. Bergland, '04.
B. M. Bernheim, '05.
W. E. Bird, '11.
A. L. Bloomfield, '11.
T. R. Boggs, '01.
E. W. Bridgman, '12.
T. R. Brown, '97.
B. B. Browne, Jr., '02.
H. Brülle, '00.
R. M. Bruns, '02.
H. W. Buckler, '99.
C. F. Burnam, '00.
C. M. Byrnes, '06.
W. G. Carlisle, '13.
D. B. Casler, '04.
H. W. Cave, '13.
H. L. Cecil. '13.
B. S. Chaffee, '12.
T. R. Chambers, '10.
J. A. Chatard, '03.
A. M. Chesney, '12.
E. R. Clark, '07.
H. D. Clarke, '13.
P. W. Clough, '07.
J. Cohen, '12.
H. T. Collenberg, '10.
J. A. C. Colston, '11.
E V. Coolahan, '08.
W. B. Cornell, '03.
G. W. Corner, '13.
S. J. Crowe, '08.
W. E. Dandy, '10.
D. Davis, '13.
D. M. Davis, '11.
E. G. Davis, '12.
J. S. Davis, '99.
S. A. Dodds, '05.
G. C. Dohme, '02.
R. Duffy, '02.
W. M. Dumm '12.
M. T. Edgerton, '12.
B. M. Edlavitch, '10.
C. R. Essick, '09.
H. M. Evans, '08.
R. Fayerweather, '03.
J. S. Fischer, '03.
W. A. Fisher, '00.
E. C. Fishbaugh, '13.
R. H. Follis, '99.
W. W. Ford, 98.
W. M. Fricke, '12.
H. Fried, '11.
W. A. Frontz, '11.
J. T. Geraghty, '03.
L. Gerdine, '13.
E. W. Goodpasture, '12.
H. S. Greenbaum, '04.
W. L. Grimes, '10.
C. G. Guthrie, '07.
R. W. Hall, '12.
L. P. Hamburger, '97.
L. V. Hamman, '01.
F. Hazlehurst, '07.
E. S. Hendry, '11.
G. J. Heuer, '07.
F. Hinman, '06.
C. H. Hinton, '13.
L. K. Hirshberg, '02.
W. R. Holmes, '13.
D. R. Hooker, '05.
L. Howard, '13.
W. R. Hudson, '11.
G. L. Hunner, '97.
J. A. Hunnicutt, '11.
L. Howard, '13.
E. H. Hutchins, '06.
A. L. Hutchins, '13.
E. E. Hume, Jr., '13.
H. Jeidell, '12.
E. Jelks, '13.
A. Keidel, '03.
L. W. Ketron, '11.
T. S. Keyser, '11.
R. F. Kieffer, '13.
J. H. King, '06.
B. S. Kline, '11.
J. H. M. Knox, '98.
S. P. Law (Mrs. McGlannan), '07.
C. A. Laubach, '13.
M. Lazenby, '03.
V. N. Leonard, '11.
E. J. Leopold, '05.
R. L. Levy, '13.
W. H. Lewis, '00.
H. H. Loos, '12.
J. A. Leutscher, '99.
J. C. Lyman, '13.
R. D. McClure, '08.
W. B. McClure, '12.
M. A. Maas, '11.
D. I. Macht, '06.
R. W. B. Mayo, '08.
W. L. Millea, '12.
S. R. Miller, '10.
L. D. Minsk, '13.
W. H. Morriss, '12.
W. L. Moss, '05.

J. C. Neel, '10.
W. Neill, Jr., '12.
G. C. Ney, '08.
F. K. Nichols, '10.
S. T. Nicholson, '10.
J. A. O'Donnell, '11.
O. B. Pancoast, '97.
W. T. Parsons, '07.
I. R. Pels, '06.
C. A. Penrose, '97.
E. L. Pessagno, '07.
J. H. Pleasants, '99.
F. G. Porter, '08.
L. T. Post, '13.
G. F. Powers, '13.
J. P. Pratt, '10.
M. R. Reid, '12.
H. I. Reynolds, '12.
E. H. Richardson, '05.
M. L. Richardson, '13.
S. Rosenheim, '99.
F. R. Sabin, '00.
E. P. Sandrock, '07.
H. C. Schmeisser, '12.
G. B. Scholl, '02.
N. P. Sears, '12.
R. B. Seem, '06.
A. W. Sellards, '09.
R. O. Sellman, '12.
W. G. Sexton, '11.
W. K. Skilling, '11.
H. R. Slack, Jr., '12.
F. J. Smith, '13.
W. H. Smith, '03.
R. R. Snowden, '11.
L. C. Spencer, '11.
R. R. Spencer, '13.
J. E. Stowers, '13.
C. N. Spratt, '01.
T. P. Sprunt, '09.
T. Starr, '12.
H. A. Stephenson, '10.
H. N. Stevenson, 2d, '12.
G. A. Stewart, '11.
H. B. Stone, '06.
J. E. Stowers, '13.
D. C. Streett, '12.
E. R. Strobel, '99.
G. L. Taneyhill, Jr., '04.
M. H. Todd, '13.
C. B. Towles, '05.
J. R. Turner, Jr., '13.
A. J. Underhill, '01.
C. W. Vest, '08.
L. H. Watkins, '09.
C. H. Watt, '12.
C. W. Webb, '09.
J. M. West, '01.
G. H. Whipple, '05.
A. W. Williams, '12.
D. Williams, '02.
J. Scott Willock, '04.
H. W. Winternitz, '10.
M. C. Winternitz, '07.
E. B. Wolf, '12.
S. Wolman, '06.
G. H. Woltereck, '09.

Cumberland, ... 1
J. H. Wilson, '08.

Easton, ... 1
A. M. Stevens, '11.

Fort Washington, ... 1
O. Kinsey, '11.

Hagerstown, ... 1
P. Wroth, '06.

Manchester, ... 1
W. R. S. Denner, '08.

Princess Anne, ... 1
H. M. Lankford, '05.

Sanatorium, ... 1
V. F. Cullen, '06.

Massachusetts:

Arlington, ... 1
H. R. Webb, '06.

Boston, ... 33
A. W. Allen, '13.
L. H. Burlingham, '06.
H. A. Christian, '00.
W. M. Dunn, '11.
E. G. Grey, '11.
E. Goetsch, '09.
E. Hale (Swift), '05.
G. W. Hall, '01.
G. Horrax, 13.
S. H. Hurwitz, '12.
H. T. Hutchins, '03.
C. Jacobson, '11.
E. E. Lindeman, '08.
H. W. Marshall, '04.
J. J. Morton, Jr., '13.
H. G. Myrick, '00.
J. H. Pratt, '98.
C. W. Rand, '12.
L. J. Rhea, '05.
S. Rushmore, '02.
W. R. Sisson, '12.
T. Stearns, '12.
R. P. Strong, '97.
C. B. Thompson, '13.
W. L. Thompson, '04.
F. H. Verhoef, '99.
C. B. Walker, '11.
J. C. Walker, '09.
E. M. Watson, '13.
L. H. Weed, '12.
P. Wegefarth, '12.
W. S. Wyatt, '09.
W. W. Young, '13.

Cambridge, ... 2
M. F. Austin (Southard), '06.
H. L. Langnecker, '06.

Fall River, ... 2
E. S. Chace (Herbert), '01.
M. W. Marvel, '00.

Greenfield, ... 1
W. K. Clarke, '08.

New Bedford, ... 1
G. Marsden, '06.

Rehoboth, ... 1
M. S. Packard, '97.

Salem, ... 1
E. K. Burbeck, '07.

Waltham, ... 1
O. L. Dascombe, '05.

Worcester, ... 1
M. E. Morse, '03.

Weston, ... 1
A. M. Ballou (Eliot), '05.

Michigan:

Ann Arbor, ... 2
A. W. Hewlett, '00.
U. J. Wile, '07.

Detroit, ... 10
J. R. Carr, '04.
G. L. Connor, '01.
R. Connor, '01.
N. S. Ferry, '02.
C. R. Meloy, '06.
H. W. Plaggemeyer, '07.
B. R. Schenck, '98.
F. J. Sladen, '06.
P. M. Stetler, '13.
H. N. Torrey, '06.

Kalamazoo, ... 1
B. N. Epler, '99.

Minnesota:

Ceylon, ... 1
R. T. Edwards, '04.

Duluth, ... 2
A. L. McDonald, '05.
J. A. Winter, '06.

Fergus Falls, ... 1
K. J. Lee, '04.

Keewatin, ... 1
C. F. Carstens, '08.

Minneapolis, ... 1
H. W. Cook, '02.
A. D. Hirschfelder, '03.
A. E. Johann, '10.
A. W. Morrison, '10.
M. P. Simis (Ulrich), '01.
H. L. Ulrich, '01.
C. B. Wright, '02.

Rochester, ... 5
E. F. Butler, '10.
H. Z. Griffin, '04.
W. C. McCarthy, '04.
J. I. Scarborough, '08.
E. D. Simpson, '12.

Mississippi:

Oxford, ... 1
C. L. Andrews, '12.

Missouri:

Bosworth, ... 1
T. G. Orr, '10.

Columbia, ... 2
W. J. Calvert, '98.
D. H. Dolley, '02.

Deering, ... 1
D. W. Luten, '11.

Kansas City..... 5
C. H. Bryant, '08.
W. W. Duke, '08.
M. Rhode, '12.
E. H. Schorer, '06.
H. F. Van Orden, '10.

St. Joseph, ... 1
C. A. Potter, '11.

St. Louis, ... 20
B. Brooks, '11.
W. M. C. Bryan, '02.
J. R. Caulk, '06.
G. S. Drake, '01.
J. Erlanger, '99.
A. O. Fisher, '09.
R. F. Fisher, '12.
M. A. Frankenthal, '02.
H. H. Hagan, '13.
R. Hopkins, '03.
P. C. Jeans, '09.
H. McCulloch, '12.
D. H. Morse, '10.
W. H. Olmsted, '13.
E. L. Opie, '97.
M. H. Post, Jr., '12.
G. C. Robinson, '03.
E. Sachs, '04.
J. C. Salter, '01.
H. J. Storrs, '04.

Montana:

Butte, ... 2
C. H. Horst, '02.
A. Karsted, '02.

Great Falls, ... 1
W. S. Bole, '10.

Nebraska:

Hastings, ... 1
J. R. Blackman, '06.

Omaha, ... 1
M. Langfeld, '98.

Nevada:

Tonopah, ... 1
P. J. McDonnell, '08.

New Hampshire:

Exeter, ... 1
R. S. Perkins, '11.

New Jersey:

Belleville, ... 1
C. H. Pelton, '12.

Franklin Furnace, ... 1
F. G. Wilbur, '06.

Montclair, ... 1
F. G. Porter, '08.

Orange, ... 4
C. T. Brown, '07.
T. W. Harvey, '09.
K. Porter, '98.
E. N. Riggins, '02.

Trenton, ... 1
C. B. Farrar, '00.

New Mexico:

Taos, ... 1
M. B. Walker (Williams), '01.

New York:

Albany, ... 4
J. M. Berry, '01.
A. W. Elting, '98.
J. A. Sampson, '99.
C. K. Winne, '01.

Auburn, ... 1
H. I. Davenport, '05.

Binghampton, ... 2
A. S. Chittenden, '00.
M. J. Ross, '07.

Brooklyn, ... 16
W. S. Bennett, '11.
C. F. Bookwalter, '10.
G. E. Brockway, '11.
E. B. Carter, '11.
J. T. Flanagan, '08.
H. L. Gray, '06.
J. P. Heymann, '13.
L. A. Lynch, '03.
W. H. Maddren, '01.
R. E. Moore, '06.
J. F. Morrison, '04.
C. E. Rynd, '11.
P. B. Sarason, '12.
B. T. Terry, '04.
A. C. Weakley, '12.
B. E. Wolfort, '06.

Buffalo, ... 9
H. Adsit, '06.
J. L. Butsch, '12.
A. H. Clark, '03.
W. H. Glenny, '02.
F. C. Goldsborough, '03.
J. S. Lewis, '06.
I. P. Lyon, '97.
J. S. McFarland, '02.
G. T. Tyler, '04.

Canandaigua, ... 1
R. Sanderson, '10.

Clifton Springs, ... 1
F. R. Crawford, '11.

Portland, ... 1
R. P. Higgins, '05.

Fort Porter, ... 1
E. C. Hill, '07.

Fort H. G. Wright, ... 1
J. R. Bosley, '01.

Glens Falls, ... 1
M. L. Haviland, '02.

Liberty, ... 1
H. B. Neagle, '03.

Loomis, ... 1
C. W. Mills, '08.

Long Island City, ... 1
S. A. Marshall, '02.

New Brighton, ... 1
C. R. Kingsley, '09.

New Rochelle, ... 1
O. H. Schell, '04.

New York City..... 82
D. B. Anderson, '13.
E. M. Armstrong, '10.
J. Auer, '02.
F. W. Bancroft, '06.
E. Boehm, '10.
P. M. Bogart,
(Mrs. Van Voast), '06.

J. R. Booth, '11.
C. T. Brown, '07.
W H. Brown, '07.
M. T. Burrows, '09.
C. C. Cody, Jr., '10.
R. I. Cole, '99.
J. Collinson, '11.
R. J. Cook, '13.
T. K. Davis, '13.
B. S. Denzer, '10.
T. A. Devan, '10.
A. R. Dochez, '07.
N. B. Foster, '02.
W. R. Frantz, '12.
W. D. Fullerton, '11.
H. M. Gallagher, '11.
F. L. Gates, '13.
F. M. Hanes, '08.
T. W. Hastings, '98.
W. H. Hawkins, '11.
W. P. Healy, '00.
R. F. Hegeman, '10.
R. W. Hellenbrand, '07.
E. S. Hellweg, '07.
J. Hemenway (Mrs. J. H. Kenyon), '04.
M. C. Hill, '08.
J. M. Hitzrot, '01.
J. G. Hopkins, '07.
A. Hubert, '11.
J. H. Huddleson, '13.
N. B. Jenison, '11.
N. M. Keith, '11.
W. M. Kraus '13.
L. B. Lange, '11.
G. U. Light, '98.
H. D. Long, '03.
W. T. Longcope, '01.
W. G. Lough, '12.
O. S. Lowsley, '12.
W. G. MacCallum, '97.
B. Mann, '09.
C. Meltzer (Auer), '00.
N. Mills, '12.
D. E. Monroe, '10.
A. P. Munn, '13.
J. B. Murphy, '09.
W. B. Newcomb, '10.
E. D. Plass, '11.
L. Pearce, '12.
F. L. Paschal, '13.
S. I. Rainforth, '03.
C. D. Reid, '12.
A. S. Rosenfeld, '11.
F. P. Rous, '05.
A. Rucker, '11.
D. M. Sawyer, '11.
O. M. Schloss, '05.
A. R. Scott, '13.
M. B. Sponsler, '11.
A. R. Stevens, '03.
E. Stillman, '11.
H. R. Stone, '04.
A. Strauss, '12.
H. C. Thacher, '06.
W. M. Thalheimer, '08.
F. B. Trudeau, '13.
F. C. Wagenhals, '13.
E. E. Walker, '98.
D. C. Walton, '09.
G. W. Warren, '01.
B. F. Weems, '13.
M. Warren, '00.
D. B. Wells, '12.
J. K. Wiener, '11.
N. H. Williams, '13.
J. A. Wood, '12.
J. L. Zimmerman, '13.

Ogdensburg, ... 2
R. H. Dunning, '11.
R. L. Stacy, '08.

Olean, ... 1
R. B. Morris, '10.

Otisville, ... 1
W. H. White, '07.

Port Chester, ... 1
G. Sands, '98.

Rochester, ... 6
S. J. Appelbaum, '08.
W. A. Calihan, '10.
C. W. Hennington, '06.
C. L. Hincher, '07.
N. G. Orchard, '07.
H. S. Schumacher, '07.

Roslyn, L. I., ... 1
J. K. Worthington, '08.

Saranac Lake, ... 4
L. Brown, '00.
A. K. Krause, '07.
J. L. Nichols, '97.
F. W. Wittich, '13.

Saratoga, ... 1
J. S. Brotherhood, '08.

Schaghticoke, ... 1
A. E. Beale, '00.

Syracuse, ... 6
L. D. Bristol, '07.
O. H. Cobb, '06.
A. Dutcher, '01.
F. M. Meader, '09.
M. C. Newkirk, '13.
H. S. Steensland, '99.

Troy, ... 2
H. W. Carey, '01.
H. P. Sawyer, '06.

Utica, ... 5
F. H. Church, '06.
T. W. Clarke, '02.
J. W. W. Dimon, '09.
F. R. Ford, '05.
F. T. Owens, '07.

White Plains, ... 1
H. W. Smith (Brown), '11.

Yonkers, ... 2
R. B. Scofield, '07.
W. J. Vogeler, '04.

North Carolina:

Asheville, ... 1
F. W. Griffith, '06.

Charlotte, ... 1
A. G. Brenizer, '08.

Fort Caswell, ... 1
E. S. Moore (McKinney), '01.

Greensboro, ... 2
W. F. Cole, '09.
H. H. Ogburn, '13.

Laurinburg, ... 1
R. Duffy, '02.

Raleigh, ... 1
C. A. Shore, '07.

Salisbury, ... 1
J. A. Caldwell, '04.

Spray, ... 1
R. E. Flack, '13.

Wilmington, ... 2
J. Akerman, '00.
R. B. Slocum, '05.

Winston-Salem, ... 2
E. P. Gray, '06.
A. de T. Valk, '10.

North Dakota:

Fargo, ... 2
M. P. Rindlaub, '05.
M. R. Fleming, '12.

Willow City, ... 1
H. L. Youtz, '05.

Ohio:

Canton, ... 1
C. A. LaMont, '08.

Cincinnati, ... 5
W. F. Jelke, '02.
E. F. Malone, '07.
M. E. Nast (Wherry), '06.
W. O. Pauli, '07.
P. G. Woolley, '00.

Cleveland, ... 18
M. B. Bonta, '04.
G. A. Bowers, '12.
J. E. Gammon, '12.
F. A. Glass, '12.
E. O. Grant, '11.
H. Hemstead, '05.
L. W. Ladd, '99.
S. L. Ledbetter, '10.
D. Marine, '05.
H. W. Masenhimer, '08.
R. G. Perkins, '98.
W. B. Rogers, '10.
O. T. Schultz, '03.
H. G. Sloan, '06.
J. T. Smith, '07.
C. W. Stone, '05.
H. L. Taylor, '10.
H. R. Wahl, '12.

Columbus, ... 2
J. J. Coons, '02.
L. V. Zartman, 10.

Jefferson, ... 1
H. Dudley, '03.

Nelsonville, ... 1
H. L. Connett, '09.

Oxford, ... 1
H. M. Moore, '99.

Springfield, ... 1
C. L. Jones, '03.

Toledo, ... 3
L. F. Smead, '05.
C. G. Souder, 07.
A. L. Steinfeld, '01.

Warren, ... 1
R. J. Shale, '12.

Youngstown, ... 1
H. C. Evans, '00.

Oklahoma:

Guthrie, ... 1
F. Y. Cronk, '07.

Oregon:

Ontario, ... 1
W. J. Weese, '11.

Portland, ... 7
T. H. Coffen, '06.
H. B. Fenton, '10.
W. H. Norton, '11.
J. F. Ortschild, '06.
J. W. Rosenfeld, '10.
L. Selling, '08.
O. B. Wight, '02.

Panama:

Ancon, ... 2
A. B. Herrick, '98.
W. H. Michael, '13.

Panama City, ... 1
C. M. Winn, '11.

Pennsylvania:

Altoona, ... 1
E. G. Birge, '07.

Bethlehem (South), ... 1
W. L. Estes, '09.

Bradford, ... 1
P. R. Straight, '06.

Erie, ... 2
B. S. Putts, '06.
T. P. Tredway, '10.

Greencastle, ... 1
T. H. Gilland, '11.

Hanover, ... 1
E. W. Stick, '09.

Harrisburg, ... 1
R. F. L. Ridgway, '06.

Johnston, ... 1
D. P. Ray, '07.

Lebanon, ... 1
G. R. Pretz, '09.

Newville, ... 1
P. W. McLaughlin, 07.

Philadelphia, ... 13
W. H. Blakeslee, '01.
F. C. Child, '09.
H. H. Dignan, '13.
E. M. L'Engle, '02.
M. Herrington, '06.
S. D. Ludlum, '02
B. B. V. Lyon. '07.
J. H. Oppenheimer, '08.
D. B. Pfeiffer, '06.
A. Randall, '07.
C. W. Riley, '07.
A. W. Tallant, '02.
L. Tuttle, '07.

Pittsburgh, ... 15
M. H. Baker, '10.
T. Baker, '04.
L. C. Bixler, '03.
A. A. Bornscheuer, '13.
C. C. Brown, '12.
W. E. Carson, '07.
R. J. Cary, '12.
A. H. Eggers, '09.
C. W. W. Elkin, '13.
C. C. Hartman, '11.
W. Marshall, '03.
E. A. Miller, '12.
R. T. Miller, '03.
J. W. Sheetz, '10.
P. R. Sieber, '11.

Pottsville, ... 1
M. B. Kingsbury, '06.

Royersford, ... 1
H. Graber, '07.

Washington, ... 1
W. E. Hart, '09.

Wilkes-Barre, ... 1
S. D. Wyckoff, '99.

Wilkensburg, ... 1
J. H. Whitcraft, '10.

York, ... 3
C. H. May, '08.
E. W. Meisenhelder, '02.
L. S. Weaver, '04.

Philippine Islands:

Manila, ... 6
H. Beeuwkes, '06.
E. R. Gentry, '09.
P. K. Gilman, '05.
R. W. Hammack, '11.
T. Lamson, '01.
F. Schmitter, '03.

Rhode Island:

Providence, ... 11
F. D. Bullock, '07.
F. A. Coughlan, '08.
M. Y. Dabney, '12.
M. S. Danforth, '05.
F. T. Fulton, '99.
C. F. Graham, '13.
H. J. Hoye, '99.
R. G. McAliley, '11.
J. A. McCann, '08.
W. D. Reddish, '13.
E. A. Stone, '00.

South Carolina:

Aiken, ... 1
E. S. Cross, '06.

Columbia, ... 3
E. Cooper, '10.
J. H. Gibbes, '12.
H. M. Smith, '01.

South Dakota:

Pierre, ... 1
T. F. Riggs, '03.

Tennessee:

Chattanooga, ... 1
H. Q. Fletcher, '09.

Knoxville, ... 1
W. T. de Sautelle, '11.

Memphis, ... 2
L. W. Haskell, '03.
R. E. Semmes, '10.

Nashville, ... 1
C. E. Brush, '03.

Texas:

Dallas, ... 1
J. H. Hewitt, '06.

Corpus Christi, ... 1
J. D. Cohn, '11.

El Paso, ... 2
W. W. Waite, '06.
M. B. Wesson, '10.

Fort Clark, ... 1
C. D. Cowles, '05.

Fort Worth, ...2
F. C. Beall, '06.
K. H. Beall, '05.

Gainesville, ... 1
E. L. Gilcreest, '10.

Houston, ... 1
H. L. McNeil, '11.

Memphis, ... 1
W. Wilson, '04.

San Antonio, ... 2
R. I. Nixon, '09.
J. L. Robinson, '08.

Utah:

Salt Lake City, ... 1
A. J. Ridges, '08.

Vermont:

Bellows Falls, ... 1
I. H. Prouty, '11.

St. Johnsburg, ... 1
W. G. Ricker, '04.

Virginia:

Abingdon, ... 1
G. V. Litchfield, '02.

Charlottesville, ... 2
H. T. Marshall, '98.
S. H. Watts, '01.

Fairfax, ... 1
H. Fletcher, '00.

Manchester, ... 1
M. P. Rucker, '03.

Norfolk, ... 3
S. W. Budd, '09.
G. E. Chinn, '03.
J. M. Love, '04.

Olney, ... 1
W. F. Kellam, '06.

Richmond, ... 6
A. W. Freeman, '05.
W. H. Higgins, '08.
G. A. L. Kolmer, '13.
K. E. Miller, '12.
R. S. Preston, '08.
V. Vanderhoof, '05.

Roanoke, ... 7
N. M. Canter, '13.
G. D. Chunn, '13.
O. C. Foote, '12.
G. B. Lawson, '05.
H. R. McAllister, '12.
W. E. Nesbit, '13.
R. L. Rhodes, '10.

Washington:

Garfield, ... 1
G. M. MacGregor, '02.

Seattle, ... 10
K. E. Darrow, '13.
C. F. Davidson, '07.
H. J. Davidson, '05.
I. B. Green, '07.
E. C. Gross, '11.
E. R. Kelley, '06.
H. J. Knott, '11.
M. Seagrave, '11.
A. Shaw, '13.
L. S. Trask, '13.

Spokane, ... 1
H. H. Robinson, '10.

West Virginia:

Charleston, ... 1
G. H. White, Jr., '06.

Fairmont, ... 1
C. M. Ramage, '10.

Kingwood, ... 1
C. E. Watson, '10.

Morgantown, ... 1
J. N. Simpson, '02.

Stotesbury, ... 1
C. G. Merriam, '11.

Wheeling, ... 1
J. E. Burns, '08.
R. U. Drinkard, '08.

Wisconsin:

Beloit, ... 1
E. B. Brown, '06.

Berlin, ... 1
A. J. Wiesender, '09.

Eau Claire, ... 1
H. F. Derge, '08.

Green Bay, ... 1
W. E. Leaper, '11.

Madison, ... 10
C. R. Bardeen, '97.
C. H. Bunting, '01.
P. M. Dawson, '98.
J. A. E. Eyster, '05.
A. S. Lovenhart, '03.
N. O. Nelson, '04.
E. M. Girdwood (Peirce), '09.
G. Peirce, '07.
D. M. Reed (Mendenhall), '07.
C. M. Swett (Bunting), '01.

Menomine, ... 1
A. Egdahl, '04.

Milwaukee, ... 12
C. A. Baer, '05.
P. H. Dernehl, '07.
F. J. Gaenslen, '03.
W. E. Grove, '08.
C. F. Hardy, '02.
A. C. Kissling, '11.
W. L. LeCron, '08.
J. D. Madison, '98.
R. L. Schultz, '12.
L. M. Warfield, '01.
R. G. Washburn, '04.
J. L. Yates, '99.

FOREIGN.

Arabia:

Kuwait, ... 1
P. W. Harrison, '08.

Austria:

Vienna, ... 2
M. S. Haynes (Heissig), '02.
R. A. Kocher, '12.

Canada:

Montreal, ... 1
W. W. Francis, '02.

Ymir, B. C., ... 1
G. E. Rehberger, '05.

China:

Changsha, ... 1
E. H. Hume, '01.

Chefoo, ... 1
R. W. Dunlap, '07.

Fen Cho fu, ... 1
P. T. Watson, '07.

Haichow, ... 2
R. Bennet (Morgan), '04.
L. S. Morgan, '04.

Hwai Yuen, ... 1
A. G. Murdoch, '06.

Nanking, ... 1
P. S. Evans, '99.

Peking, ... 2
A. E. Lee, '06.
C. W. Young, '03.

Shanghai, ... 1
H. S. Houghton, '05.

Swatow, ... 1
S. M. Grier (Lesher), '05.

Germany:

Berlin, ... 1
A. Rhode, '10.

Freiburg, ... 1
A. F. Mattice, '10.

Marburg, ... 1
R. O. Fuerbringer, '08.

Munich, ... 1
J. R. Miller, '11.

India:

Wai, ... 1
R. Fairbanks (Beals), '00.

Lakawn, ... 1
E. C. Cort, '07.

Persia:

Hamadan, ... 1
M. D. Allen, '10.

Switzerland:

Berne, ... 1
E. R. Wiese, '11.

Europe, ... 3
L. W. Gorham, '10.
T. H. Wenning, '10.
H. Lisser, '11.

PUBLICATIONS OF INSTRUCTORS AND GRADUATES OF THE JOHNS HOPKINS MEDICAL SCHOOL FOR THE YEAR 1912-13

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CALENDAR, 1914-1915

1914.

October 6 (Tuesday)—Instruction begins. Twenty-second academic year.

November 26 (Thursday)—Thanksgiving Day. All classes suspended.

November 30 (Monday)—Instruction resumed.

December 24 (Thursday morning)—The Christmas Recess begins. (9 a. m.)

1915.

January 4 (Monday)—Instruction resumed.

February 22 (Monday)—Commemoration Day. Public exercises at 11 a. m. All classes suspended.

April 1 (Thursday)—The Easter Recess begins.

April 8 (Thursday)—Instruction resumed.

May 1 (Saturday)—Last day of application for the Hopkins Scholarships offered to medical students from Maryland, North Carolina and Virginia.

June 8 (Tuesday)—Commencement Day. Public exercises at 4 p. m.

October 1 (Friday)—Candidates for admission will assemble in the auditorium of the Physiological building (East Monument and Washington streets), at 10 a. m.

October 5 (Tuesday)—Instruction resumed. Twenty-third academic year.

The Treasurer's office is at 712 N. Howard Street, and is open daily from 9 a. m. to 4.15 p. m.

The office of the Registrar of the Medical Department is in the Physiological building, near the corner of East Monument and Washington Streets, and is open daily from 9 a. m. to 5 p. m.

For catalogue and general information, address the Registrar of the Medical Department, The Johns Hopkins University, Baltimore, Maryland.

TRUSTEES

THE JOHNS HOPKINS UNIVERSITY

R. Brent Keyser, *President*
Eugene Levering
Bernard N. Baker
Francis M. Jencks
Theodore Marburg
Blanchard Randall
Henry D. Harlan, *Secretary.*
Miles White, Jr.
B. Howell Griswold, Jr.
John Glenn, Jr.
Frederick W. Wood
Daniel Willard
The President of the University, *ex officio*

W. Graham Boyce, *Treasurer*

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Henry D. Harlan
President
William H. Grafflin
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George Cator
John M. Glenn
R. Brent Keyser
Henry M. Hurd, M. D.
Secretary
Blanchard Randall
George K. McGaw
Richard J. White
Henry Phipps
Henry Barton Jacobs, M. D.

FACULTY AND TEACHING STAFF*

FRANK JOHNSON GOODNOW, LL. D.

President of the University

A. B., Amherst College, 1879, and A. M., 1887; LL. B., Columbia University, 1882; LL. D., Amherst College, 1897, Columbia University, 1904, Harvard University, 1909; Professor of Administrative Law, Columbia University, 1887-1914; Constitutional Adviser to the Chinese Government.

UNIVERSITY STAFF

PROFESSORS

WILLIAM HENRY WELCH, M. D., LL. D.

Baxley Professor of Pathology

A. B., Yale University, 1870; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1875; M. D. (Hon.), University of Pennsylvania, 1894; LL. D., Western Reserve University, 1894, Yale University, 1896, Harvard University, 1900, University of Toronto, 1903, Columbia University, 1904, Jefferson Medical College, 1907, and Princeton University, 1910; Professor of Pathological Anatomy and General Pathology in the Bellevue Hospital Medical College, N. Y., 1879-84; Dean of the Medical Faculty, 1889-98; President of the National Academy of Sciences; President of the Board of Directors of the Rockefeller Institute for Medical Research; President of the American Association for the Advancement of Science, 1906; President of the American Medical Association, 1910-1911; *Pathologist to the Johns Hopkins Hospital.*

807 St. Paul St.

HOWARD ATWOOD KELLY, M. D., LL. D., Hon. F. R. C. S.

*Professor of Gynecology.***

A. B., University of Pennsylvania, 1877, and M. D., 1882; LL. D., University of Aberdeen and Washington and Lee University, 1906, University of Pennsylvania, 1907; Associate Professor of Obstetrics, University of Pennsylvania, 1888-89; Professor of Gynecological Surgery in the Johns Hopkins University, 1889-99; Honorary Member, Royal Medical Society of Edinburgh; Associate Foreign Member, Society of Obstetrics, Gynecology and Pediatrics, and Chirurgical Society, Paris; Corresponding Member, Obstetrical Society, Leipzig; Fellow, British Gynecological Society; Hon. Fellow, Edinburgh Obstetrical Society; Royal College of Surgeons, Edinburgh; Glasgow Obstetrical and Gynecological Society, Royal Academy of Medicine (Ireland); Hon. Member, Italian Society of Obstetrics and Gynecology, Rome; *Gynecologist-in-Chief to the Johns Hopkins Hospital.*

1406 Eutaw Place

WILLIAM STEWART HALSTED, M. D., Sc. D., LL. D., Hon. F. R. C. S.

Professor of Surgery

A. B., Yale University, 1874; M. D., Columbia University (College of Physicians and Surgeons, N. Y.), 1877; LL. D., Yale University, 1904, and University of Edinburgh, 1905; Sc. D., Columbia University, 1904; Foreign Corresponding Member, Harveian Society, London; Honorary Fellow, Royal College of Surgeons, England, 1900, Edinburgh, 1905; College of Surgeons of America, 1913, and Deutsche Gesellschaft für Chirurgie, 1914; *Surgeon-in-Chief to the Johns Hopkins Hospital.*

1201 Eutaw Place

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* The names in the several groups are arranged in the order of appointment, and are corrected up to September 1, 1914.

** This department is not yet organized upon the full University basis.

FRANKLIN PAINE MALL, M. D., Sc. D., LL. D.

Professor of Anatomy

M. D., University of Michigan, 1883, A. M. (Hon.), 1900, and Sc. D., 1908; LL. D., University of Wisconsin, 1904; Fellow, Johns Hopkins University, 1886-88, and Instructor in Pathology and Bacteriology, 1888-89; Adjunct Professor of Vertebrate Anatomy, Clark University, 1889-92; Professor of Anatomy, University of Chicago, 1892-93; Member of the National Academy of Sciences; *Co-editor of the American Journal of Anatomy and of the Journal of Morphology.*

1514 Bolton St.

JOHN J. ABEL, M. D., Sc. D.

Professor of Pharmacology

Ph. B., University of Michigan, 1883, A. M. (Hon.), 1903, and Sc. D., 1912; M. D., University of Strassburg, 1888; Lecturer and Professor of Materia Medica and Therapeutics, University of Michigan, 1890-93; Hon. Member, Philadelphia College of Pharmacy; Corresponding Member, K. K. Gesellschaft der Aerzte, Vienna; Member of the National Academy of Sciences; *Editor of the Journal of Pharmacology and Experimental Therapeutics.*

Charles St. Ave. (P. O. Sta. L.).

WILLIAM HENRY HOWELL, Ph. D., M. D., Sc. D., LL. D.

Professor of Physiology

A. B., Johns Hopkins University, 1881, Fellow, 1882-84, and Ph. D., 1884; LL. D., Trinity College (Conn.), 1901; Sc. D., Yale University, 1911; Assistant in Biology, 1884-85, Associate, 1885-88, and Associate Professor, 1888-89; M. D. (Hon.), University of Michigan, 1890, LL. D., 1912, and Lecturer and Professor of Physiology and Histology, 1889-92; Associate Professor of Physiology, Harvard University, 1892-93; Member of the National Academy of Sciences; Dean of the Medical Faculty, 1899-1911; *Associate Editor of the American Journal of Physiology.*

232 W. Lanvale St.

JOHN WHITRIDGE WILLIAMS, M. D., Sc. D.

*Professor of Obstetrics** and Dean.*

A. B., Johns Hopkins University, 1886; M. D., University of Maryland, 1888, and D. Sc. (Hon.), 1907, and University of Dublin, 1912; Associate in Obstetrics, 1893-96; and Associate Professor, 1896-99; *Obstetrician-in-Chief to the Johns Hopkins Hospital.*

1128 Cathedral St.

WALTER JONES, Ph. D.

Professor of Physiological Chemistry

A. B., Johns Hopkins University, 1888, and Ph. D., 1891; Professor of Natural Science, Wittenberg College, 1891-92; Professor of Analytical Chemistry, Purdue University, 1892-95; Assistant in Physiological Chemistry and Toxicology, Johns Hopkins University, 1896-99; Associate, 1899-1901; Associate Professor, 1901-1908.

2621 St. Paul St.

**This department is not yet organized upon the full University basis.

ADOLF MEYER, M. D., LL. D.

*Professor of Psychiatry.***

Zürich Gymnasium; M. D., University of Zürich, 1892; LL. D., University of Glasgow, 1901, and Clark University, 1909; Honorary Fellow and Docent in Neurology, University of Chicago, 1892-95; Pathologist and Director of Clinical Laboratory, Worcester (Mass.) Hospital for the Insane, and Docent in Psychiatry, Clark University, 1895-1902; Director of the Pathological (Psychiatric) Institute, New York State Hospitals, Ward's Island, 1902-1910; Professor of Psycho-Pathology, Cornell, 1904-1909; Consulting Alienist, City Detention Hospital, Bay View; *Psychiatrist-in-Chief to the Johns Hopkins Hospital.*

101 Edgevale Rd., Roland Park.

JOHN HOWLAND, M. D.

Professor of Pediatrics

A. B., Yale University, 1894, and A. M. (Hon.), 1914; M. D., New York University College of Medicine, 1897, and Cornell University, 1899; House Officer, Presbyterian Hospital, N. Y., 1897-1899, and N. Y. Foundling Hospital, 1899-1900; Pathologist and Assistant Attending Pediatrician, N. Y. Foundling Hospital, 1902; Pediatrician in charge of Children's Clinic, Bellevue Hospital, 1908-1910; Instructor and Associate in Pediatrics, Columbia University; Professor of Pediatrics, Washington University, St. Louis, 1910-1912; Editor, American Journal Diseases of Children; Member of Council of Pharmacy and Chemistry, A. M. A.; Consulting Pediatrician, City Hospital, Bay View; *Pediatrician-in-Chief to the Johns Hopkins Hospital.*

Guilford

WARREN HARMON LEWIS, M. D.

Professor of Physiological Anatomy

S. B., University of Michigan, 1894, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Assistant, Instructor and Associate Professor of Anatomy, 1900-1913; *Co-Editor of The Anatomical Record.*

1931 E. 31st St.

THEODORE CALDWELL JANEWAY, M. D.

Professor of Medicine

Ph. B., Yale University, 1892; and A. M. (Hon.), 1912; M. D., Columbia University, 1895; and Bard Professor of the Practice of Medicine, 1909-14; Visiting Physician, City Hospital, N. Y., 1902-1911; Visiting Physician, St. Luke's Hospital, 1905-1911; Visiting Physician, Presbyterian Hospital, 1911-1914; Member of Board of Directors, Rockefeller Institute for Medical Research; Secretary, Russell Sage Institute of Pathology; Member of Editorial Board of Archives of Internal Medicine; *Physician-in-Chief, The Johns Hopkins Hospital.*

714 St. Paul St.

WILLIAM OSLER, M. D., LL. D., D. C. L., F. R. S.

Honorary Professor of the Principles and Practice of Medicine

M. D., McGill University, 1872; and LL. D., 1895, Aberdeen, 1898, Toronto, 1899, Yale, 1901, Harvard, 1904, Johns Hopkins, 1905, Edinburgh, 1898; D. C. L., Trinity (Toronto), 1902; M. D. (Hon.), Oxford, 1905; D. S. C., University of Dublin, 1912; Fellow of the Royal Society of London; Fellow of the Royal College of Physicians, London; Professor of the Institutes of Medicine, McGill University, 1874-84; Professor of Clinical Medicine, University of Pennsylvania, 1884-89; Dean of the Medical Faculty, 1898-99; Professor of the Principles and Practice of Medicine, Johns Hopkins University, 1889-1905; Physician-in-Chief, the Johns Hopkins Hospital, 1889-1905; Regius Professor of Medicine, University of Oxford.

Oxford, England

** This department is not yet organized upon the full University basis.

HENRY MILLS HURD, M. D., LL. D.

Professor Emeritus of Psychiatry

A. B., University of Michigan, 1863, M. D., 1866, A. M., 1870, and LL. D., 1895; Professor of Psychiatry, Johns Hopkins University, 1889-1906; Superintendent of the Eastern Michigan Hospital, 1878-89; Superintendent of the Johns Hopkins Hospital, 1889-1911; Editor of the Johns Hopkins Hospital Bulletin and of the Johns Hopkins Hospital Reports, 1889-1911; *Editor of the American Journal of Insanity; Secretary, the Johns Hopkins Hospital.*

1023 St. Paul St.

ASSOCIATE PROFESSORS

FLORENCE RENA SABIN, M. D., Sc. D.

Associate Professor of Anatomy

S. B., Smith College, 1893, Sc. D., 1910, and Assistant in Zoology, 1895-96; M. D., Johns Hopkins University, 1900; Assistant, Instructor and Associate in Anatomy, 1902-1905; Resident House Officer, 1900-1901; Holder of Woman's Fellowship in Anatomy, 1901-1902; *Co-Editor of The Anatomical Record.*

1431 Park Av.

WILLIAM WEBBER FORD, M. D., D. P. H.

Associate Professor of Hygiene and Bacteriology and Lecturer in Legal Medicine

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; Instructor, Associate, and Associate Professor of Bacteriology, 1904-1910; D. P. H., McGill University, 1900 and Fellow in Pathology, 1899-1901; Resident House Officer, Johns Hopkins Hospital, 1898-99; Fellow, Rockefeller Institute for Medical Research, 1901-02; Institute for Infectious Diseases, Berlin, 1901-1902, and Johns Hopkins University 1902-1903.

1024 Cathedral St.

MAX BROEDEL

Associate Professor of Art as Applied to Medicine

Academy of Arts, Leipzig, 1885-90; Illustrator, University of Leipzig, 1890-1894; Instructor in Art as Applied to Medicine, Johns Hopkins University, 1905-1906.

707 N. Carrollton Av.

DONALD RUSSELL HOOKER, M. D.

Associate Professor of Physiology

A. B., Yale University, 1899, M. S., 1901; M. D., Johns Hopkins University, 1905; Graduate Student, University of Berlin, 1905-1906; Assistant, Instructor and Associate in Physiology, 1906-1910.

Mt. Washington

CHARLES DAVID SNYDER, Ph. D.

Associate Professor of Physiology

A. B., Leland Stanford, Jr., University, 1896; M. S., and Ph. D., University of California, 1904 and 1905; Holder of Columbia University Table at Zoölogical Station, Naples, 1906; Medical Student, Universities of Berlin and München, 1906-1908; Fellow, Instructor and Associate in Physiology, Johns Hopkins University, 1907-1911.

Charles St. Ave. (P. O. Sta. L.)

HERBERT McLEAN EVANS, M. D.

Associate Professor of Anatomy

S. B., University of California, 1904, and Medical Department, 1904-05; M. D., Johns Hopkins University, 1908; Assistant, Instructor and Associate Professor in Anatomy, 1908-1912.

The Cecil

LEONARD GEORGE ROWNTREE, M. D.

Associate Professor of Medicine.

M. D., Western University (Canada), 1905; Resident Physician, Victoria Hospital, London, Canada, 1905-1906; Voluntary Assistant and Assistant in Medicine, 1907-1909; Instructor, Associate and Associate Professor of Experimental Therapeutics, 1909-1914; *Assistant Physician, Johns Hopkins Hospital.*

EDWARDS A. PARK, M. D.

Associate Professor of Pediatrics

A. B., Yale, 1900, and M. D., College of Physicians and Surgeons (N. Y.), 1905; Resident Physician, Roosevelt Hospital, 1905-07, and New York Foundling Hospital, 1907-08; Instructor in Medicine and Pediatrics, and Proudfit Fellow in Medicine, College of Physicians and Surgeons (N. Y.), 1909-12; *Pediatrician in charge, Dispensary, and Associate Pediatrician, the Johns Hopkins Hospital.*

The Cecil

CHARLES MACFIE CAMPBELL, M. D.

Associate Professor of Psychiatry

M. D., University of Edinburgh, 1911; Instructor in Psychopathology, Cornell University Medical School, 1910-1913; First Assistant in Bloomingdale Hospital, New York, 1911-13; *Psychiatrist in charge, Dispensary, and Associate Psychiatrist, the Johns Hopkins Hospital.*

The Johns Hopkins Hospital

HERMAN O. MOSENTHAL, M. D.

Associate Professor of Medicine

A. B., Columbia College, 1899; M. D., Columbia University, 1903; Interne, New York Hospital, 1904-1906; Interne, New York Foundling Hospital, 1906-07; Assistant Instructor, Associate in Biological Chemistry, Columbia University, 1909-1914; Assistant, Instructor and Associate in Medicine, *ibid.*, 1910-1914; *Associate Physician, Johns Hopkins Hospital.*

Roland Park.

MILTON CHARLES WINTERNITZ, M. D.

Associate Professor of Pathology

A. B., Johns Hopkins University, 1903, M. D., 1907, Fellow in Pathology, 1907-1908; Assistant, Instructor and Associate in Pathology, 1908-1914; Assistant Resident Pathologist, the Johns Hopkins Hospital, 1910-1913; Pathologist, City Hospitals.

Delaware and Carroll Rds, Windsor Hills

ASSOCIATES

CHARLES RHEIN ESSICK, M. D.

Associate in Anatomy

A. B., Yale University, 1905; M. D., Johns Hopkins University, 1909; Assistant and Instructor in Anatomy, 1909-1912.

1807 N. Caroline St.

ELI KENNERLY MARSHALL, Jr., Ph. D.

Associate in Pharmacology

S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911; Assistant and Associate in Physiological Chemistry, 1912-14.

227 W. Monument St.

PAUL WISWALL CLOUGH, M. D.

Associate in Medicine

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Medicine, 1908-1913; Resident House Officer, Assistant Resident Physician, 1907-1913; *Resident Physician.*

The Johns Hopkins Hospital

CLYDE GRAEME GUTHRIE, M. D.

Associate in Medicine

A. B., Lafayette College, 1903; M. D., Johns Hopkins University, 1907; Assistant and Instructor in Medicine, 1908-1913; Resident House Officer, 1907-1908; *Assistant Resident Physician.*

The Johns Hopkins Hospital

EDMUND VINCENT COWDRY, Ph. D.

Associate in Anatomy

A. B., University of Toronto, 1909; Ph. D., University of Chicago, 1912; Technical Assistant, 1909; Fellow, Assistant, and Associate in Anatomy, 1910-13.

3101 N. Calvert St.

GEORGE JULIUS HEUER, M. D.

Associate in Surgery

S. B., University of Wisconsin, 1903; M. D., Johns Hopkins University, 1907; Instructor in Surgery, 1912-1914; Resident House Officer, Assistant Resident and Resident Surgeon, 1907-1914; *Assistant Surgeon, the Johns Hopkins Hospital.*

BENJAMIN BERNARD TURNER, Ph. D.

Associate in Pharmacology

B. S., University of London, 1894; Ph. D., University of Göttingen, 1899; Assistant in Pharmacology, 1912-1914.

1318 Bolton St.

CHARLES ROBERT AUSTRIAN, M. D.

Associate in Medicine

A. B., Johns Hopkins University, 1904, and M. D., 1909; Resident House Officer, and Assistant Resident Physician 1909-1914; *Assistant Physician, the Johns Hopkins Hospital.*

Bancroft Lane, Arlington

INSTRUCTORS

LLOYD PARKER SHIPPEN, M. D.

Instructor in Hygiene and Bacteriology

A. B., Johns Hopkins University, 1902; M. D., University of Pennsylvania, 1907; Assistant in Bacteriology, Johns Hopkins University, 1911-1912.

209 W. Monument St.

WALTER ALBERT BAETJER, M. D.

Instructor in Medicine

A. B., Johns Hopkins University, 1905, and M. D., 1909; Resident House Officer and Assistant Resident, 1909-1914; Resident Physician, City Hospital, Bay View, 1911-12; *in charge Clinical Laboratory, and Dispensary Physician, the Johns Hopkins Hospital.*

16 W. Madison St.

THOMAS PECK SPRUNT, M. D.

Instructor in Medicine

A. B., Davidson College, 1908; M. D., Johns Hopkins University, 1909; Assistant, Instructor and Associate in Pathology, 1909-1913; *Assistant Resident Physician.*

The Johns Hopkins Hospital

KENNETH DANIEL BLACKFAN, M. D.

Instructor in Pediatrics

M. D., Albany Medical College, 1905; Pathologist, Albany Hospital, and Bacteriologist to Bender Laboratory, Albany, N. Y., 1905-1906; Resident Pediatrician, St. Louis Children's Hospital, 1911-1912; *Resident Pediatrician.*

The Johns Hopkins Hospital

DAVID MELVIN DAVIS, M. D.

Instructor in Urology

S. B., Princeton University, 1907; M. D., Johns Hopkins University, 1911; Interne, City Hospital, Bay View, 1911-1912; Assistant in Pathology, 1913-1914.

709 St. Paul St.

ROY DONALDSON McCLURE, M. D.

Instructor in Surgery

A. B., Ohio State University, 1904; Graduate Student, University of Prague, 1906; M. D., Johns Hopkins University, 1908; Assistant in Surgery, 1912-1914; House Surgeon, N. Y. Hospital, 1908-1912; Assistant Resident Surgeon, Johns Hopkins Hospital, 1912-1914; *Resident Surgeon.*

The Johns Hopkins Hospital

EVERETT DUDLEY PLASS, M. D.

Instructor in Obstetrics

A. B., Colgate University, 1907; M. D., Johns Hopkins University, 1911; Assistant in Obstetrics, 1912-1914; Resident House Officer, and Assistant Resident Obstetrician, 1911-1914; *Obstetrician in charge, Dispensary, and Resident Obstetrician.*

The Johns Hopkins Hospital

HOLLAND NEWTON STEVENSON, 2d., M. D.

Instructor in Pathology

Ph. B., Yale University, 1908; M. D., Johns Hopkins University, 1912; Assistant in Pathology, 1912-1914.

2941 St. Paul St.

DAVID KENNEDY HENDERSON, M. B., Ch. B.

Instructor in Psychiatry

M. B. Ch. B., University of Edinburgh, 1907; Clinical Assistant, Royal Edinburgh Dispensary, 1908; Assistant Physician, Psychiatric Institute, New York, 1908-11; Assistant in Psychiatry, Johns Hopkins University, 1913-14; *Resident Psychiatrist.*

The Johns Hopkins Hospital

PAUL GALPIN SHIPLEY, M. D.

Instructor in Anatomy

M. D., Yale University, 1913; Assistant in Anatomy, Johns Hopkins University, 1913-1914.

144 Jackson Pl.

ERNEST WILLIAM GOODPASTURE, M. D.

Instructor in Pathology

A. B., Vanderbilt University, 1907; M. D., Johns Hopkins University, 1907; Rockefeller Fellow in Pathology, Johns Hopkins University, 1912-1913; Assistant Resident Pathologist, 1913-1914; *Acting Resident Pathologist.*

The Johns Hopkins Hospital.

FELIX LANDOIS, M. D.

Instructor in Surgery

M. D., Greifswald, 1905; Assistant in Pathology, 1906-1908; Assistant in Surgery and Privat-dozent, Breslau, 1908-1914.

The Johns Hopkins Hospital.

WILLIAM McKIM MARRIOTT, M. D.

Instructor in Pediatrics

S. B., University of North Carolina, 1904; M. D., Cornell University, 1910; Assistant in Chemistry, University of North Carolina, 1903-04; Assistant in Biochemistry, Cornell University Medical School, 1904-06; Tutor in Chemistry, College of the City of New York, 1909; Instructor in Biological Chemistry, Washington University Medical School, St. Louis, 1910-1914; *Assistant Dispensary Physician.*

Tudor Hall, University Parkway

GEORGE PEIRCE, M. D., PH. D.

Instructor in Urology

A. B., Haverford College, 1903; M. D., Johns Hopkins University, 1907; A. M. and Ph. D., University of Berlin, 1912; Resident Physician, Dr. Grenfell's Hospital, St. Anthony, Newfoundland, 1907; Resident Physician, Pennsylvania Hospital, Philadelphia, 1908-1909; Assistant in Physiology and Instructor in Pharmacology, University of Wisconsin, 1912 and 1213.

721 Euclid Ave., Roland Park

MONT ROGERS REID, M. D.

Instructor in Surgery

A. B., Roanoke College, 1908; M. D., Johns Hopkins University, 1912; *Assistant Resident Surgeon.*

The Johns Hopkins Hospital

LEWIS HILL WEED, M. D.

Instructor in Anatomy

A. B., Yale University, 1908 and M. A., 1909; M. D., Johns Hopkins University, 1912; in Charge of the Laboratory of Surgical Research, Harvard, 1912-1913; Arthur Tracy Cabot Fellow, Harvard, 1913-1914.

JAMES CRAIG NEEL, M. D.

Instructor in Gynecology.

Ph. B., Marietta College, 1906; M. D., Johns Hopkins University, 1910; Resident House Officer and Assistant Resident Gynecologist, 1910-1914; *Gynecologist in charge of Dispensary, and Resident Gynecologist.*

The Johns Hopkins Hospital

D. SCLATER LEWIS, M. D.

Instructor in Medicine

S. B., McGill University, 1906; M. S., 1907; M. D., 1912; House Physician, Royal Victoria Hospital, 1912-1914; *Assistant Resident Physician.*

The Johns Hopkins Hospital

ASSISTANTS

ARTHUR LEONARD BLOOMFIELD, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1907, and M. D., 1911; Resident House Officer, 1911-12; *Assistant Resident Physician.*

The Johns Hopkins Hospital

EVELETH WILSON BRIDGMAN, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1908, and M. D., 1912; Resident House Officer, 1912-1913; *Assistant Resident Physician.*

The Johns Hopkins Hospital

WILLIAM LAWRENCE MILLEA, M. D.

Assistant in Obstetrics

A. B., Clark University, 1908; M. D., Johns Hopkins University, 1912; Resident House Officer, 1912-1913; *Assistant Resident Obstetrician.*

The Johns Hopkins Hospital

HARRY RICHMOND SLACK, Jr., M. D.

Assistant in Laryngology

A. B., University of Georgia, 1908; M. D., Johns Hopkins University, 1912; *Assistant Resident Surgeon, and Assistant Dispensary Laryngologist.*

The Johns Hopkins Hospital

CHARLES ADAM LAUBACH, M. D.

Assistant in Hygiene and Bacteriology

S. B., Muhlenburg College, 1909; M. D., Johns Hopkins University, 1913.

1531 N. Broadway

HENRY WISDOM CAVE, M. D.

Assistant in Surgery

A. B., Central College of Kentucky, 1909; M. D., Johns Hopkins University, 1913; Resident House Officer, 1913-1914; *Assistant Resident Surgeon.*

The Johns Hopkins Hospital

LEROY NEWTON FLEMING, M. D.

Assistant in Surgery

A. B., Miami University, 1910; M. D., Johns Hopkins University, 1914.

138 Jackson Pl.

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Assistant in Obstetrics

A. B., Barnard College, 1906; M. D., Johns Hopkins University, 1912; Externe in Obstetrics, 1912-1913; *Dispensary Obstetrician, and Assistant Resident Obstetrician.*

The Johns Hopkins Hospital

JAMES B. HOLMES, M. D.

Assistant in Pediatrics

A. B., and A. M., University of Virginia, 1910; M. D., Johns Hopkins University, 1912; Assistant Physician, Eudowood Sanitorium, 1912-1913; *Assistant Dispensary Physician, the Johns Hopkins Hospital.*

15 E. Read St.

ROBERT LOUIS LEVY, M. D.,

Assistant in Medicine

A. B., Yale University, 1909; M. D., Johns Hopkins University, 1913; Resident House Officer, 1913-1914; *Assistant Resident Physician.*

The Johns Hopkins Hospital

NORMAN MACDONNELL KEITH, M. D.

Assistant in Medicine

A. B., University of Toronto, 1908; M. D., Johns Hopkins University, 1911; Interne, N. Y. Hospital, 1911-13.

The Johns Hopkins Hospital

CHARLES CLIFFORD MACKLIN, M. B.

Assistant in Anatomy

James H. Richardson Fellow in Anatomy, University of Toronto, 1912-1913; M. B., University of Toronto, 1914.

GEORGE RICHARDS MINOT, M. D.

Assistant in Medicine

M. D., Harvard Medical School, 1912; *Assistant Resident Physician.*

The Johns Hopkins Hospital

HENRY R. MULLER, M. D.

Assistant in Anatomy

A. B., Cornell University, 1909, and M. D., 1913; Interne, Vassar Brothers' Hospital, Poughkeepsie, 1914.

ANNABELLA ELLIOTT RICHARDS, Ph. D.

Chemical Assistant in Medicine

A. B., Bryn Mawr College, 1907; Ph. D., Johns Hopkins University, 1914.

138 Jackson Place

ALICE RHODÉ, M. D.

Assistant in Pharmacology

S. B., University of Chicago, 1903; M. D., Johns Hopkins University, 1910; Mary Putnam Jacobi Fellowship, Berlin, 1910-1912; Instructor in Physiological Chemistry, Carnegie Institute of Technology, Pittsburgh, 1913-14.

104 Jackson Place

CHARLES AUGUST ROUILLER, Ph. D.

Assistant in Pharmacology

A. B., Leland Stanford Junior University, 1903; Ph. D., Johns Hopkins University, 1906; Assistant, Rockefeller Institute, 1906-1907; Assistant in Chemistry, Johns Hopkins University.

Howardville, Baltimore Co.

LEWIS CASS SPENCER, M. D.

Assistant in Orthopedic Surgery

S. B., Tulane University, 1907; M. D., Johns Hopkins University, 1911; *Assistant Resident Surgeon, and Assistant Dispensary Surgeon.*

The Johns Hopkins Hospital

THORNTON STEARNS, M. D.

Assistant in Pathology

A. B., Davidson College, 1906; M. D., Johns Hopkins University, 1912; Interne, Massachusetts General Hospital, Boston, 1912-1914; *Assistant Resident Pathologist.*

The Johns Hopkins Hospital

DAVID CORBIN STREETT, M. D.

Assistant in Medicine

A. B., Johns Hopkins University, 1908, and M. D., 1912; Resident House Officer, 1912-1913; Assistant Physician in charge Dispensary Laboratory, 1913-1914; *Assistant Resident Physician.*

The Johns Hopkins Hospital

HENRY CHRISTIAN SCHMEISSER, M. D., PH. D.

Assistant in Pathology

A. B., Johns Hopkins University, 1908, and M. D., 1912; Ph. D., 1914; Fellow in Pathology, 1912-1914.

The Homewood

CARL WILLIAM WALDRON, M. D.

Assistant in Laryngology

M. D., University of Toronto, 1911; *Assistant Dispensary Laryngologist, and Assistant Resident Surgeon.*

The Johns Hopkins Hospital

D. WRIGHT WILSON, PH. D.

Assistant in Physiological Chemistry

S. B., Grinnell College, 1910; Ph. D., Yale University, 1914.

CLINICAL STAFF

PROFESSORS

LEWELLYS FRANKLIN BARKER, M. D., LL. D.

Professor of Clinical Medicine

M. B., University of Toronto, 1890, and M. D. (Hon.), 1905; LL. D., Queen's University, 1908, and McGill University, 1911; House Officer, Toronto General Hospital, 1890-91; Assistant Resident Physician, Assistant Resident and Resident Pathologist and Physician-in-Chief, the Johns Hopkins Hospital, 1891-1914; Fellow in Pathology, Johns Hopkins University, 1892-94, Associate in Anatomy, 1894-97, Associate Professor of Anatomy, 1897-99, and Associate Professor of Pathology, 1899-1900; Professor and Head of the Department of Anatomy, University of Chicago, 1900-04, and Professor of Medicine, Rush Medical College, 1904-05; *Visiting Physician, the Johns Hopkins Hospital.*

1035 N. Calvert St.

WILLIAM SYDNEY THAYER, M. D., LL. D., Hon. F. R. C. P.

Professor of Clinical Medicine

A. B., Harvard University, 1885, and M. D., 1889; LL. D., Washington College, 1907; Honorary Fellow, Royal College of Physicians of Ireland, 1912; Resident Physician, Johns Hopkins Hospital, 1891-1898; Associate in Medicine, 1899-1905, and Associate Physician, 1905-14; Associate and Associate Professor of Medicine, Johns Hopkins University, 1895-1905; *Visiting Physician, The Johns Hopkins Hospital.*

406 Cathedral St.

JOHN MILLER TURPIN FINNEY, M. D.

Professor of Clinical Surgery

A. B., Princeton University, 1884; M. D., Harvard University, 1888; Surgeon to the Union Protestant Infirmary; Associate and Associate Professor of Surgery, Johns Hopkins University, 1893-1912; Associate in Surgery, 1891-1912, and Associate Surgeon, 1912-1914; *Visiting Surgeon, the Johns Hopkins Hospital.*

1300 Eutaw Place

CLINICAL PROFESSORS

SAMUEL THEOBALD, M. D.

Clinical Professor of Ophthalmology

M. D., University of Maryland, 1867; Surgeon to the Baltimore Eye, Ear and Throat Charity Hospital, Oculist and Aurist to the Home for Incurables; *Ophthalmologist in charge Dispensary, and Visiting Ophthalmologist, the Johns Hopkins Hospital.*

970 N. Howard St.

HENRY M. THOMAS, M. D.

Clinical Professor of Neurology

M. D., University of Maryland, 1884; A. M. (Hon.), Johns Hopkins University, 1902; Consulting Neurologist, City Hospital, Bay View; *Neurologist in charge, Dispensary, and Visiting Neurologist, the Johns Hopkins Hospital.*

1228 Madison Av.

JERE WILLIAMS LORD, M. D.

Clinical Professor of Dermatology

A. B., Johns Hopkins University, 1884; M. D., University of Pennsylvania, 1887; *Dermatologist in charge, Dispensary, and Visiting Dermatologist, the Johns Hopkins Hospital.*

1011 N. Charles St.

THOMAS CASPAR GILCHRIST, M. D., M. R. C. S., L. S. A. (Eng.)

Clinical Professor of Dermatology

M. R. C. S., and L. S. A., London, 1887; M. D. (Hon.), University of Maryland, 1907; Corresponding Member, Berliner Dermatologische Gesellschaft; Honorary Member of the Society of Dermatology and Syphilis of Italy; *Dermatologist in charge, Dispensary, and Visiting Dermatologist, the Johns Hopkins Hospital.*

330 N. Charles St.

HENRY JOHNS BERKLEY, M. D., Sc. D.

Clinical Professor of Psychiatry

M. D., University of Maryland, 1881; D. Sc. (Hon.), 1907; Consulting Neurologist, St. Joseph's Hospital; Visiting Physician, City Detention Hospital, Bay View.

1305 Park Av.

HUGH HAMPTON YOUNG, M. D.

Clinical Professor of Urology

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; Assistant Resident Surgeon, 1895-98; Associate in Surgery, the Johns Hopkins Hospital, 1898-1914; Instructor, Associate and Associate Professor in Genito-Urinary Surgery, Johns Hopkins University, 1893-1914; *Visiting Urologist, the Johns Hopkins Hospital.*

330 N. Charles St.

WILLIAM DAVID BOOKER, M. D.

Clinical Professor Emeritus of Pediatrics

M. D., University of Virginia, 1867; Visiting Physician, St. Agnes Hospital, 1894-95; Physician in charge of the Thomas Wilson Sanitarium, Baltimore, 1881-98; Clinical Professor of Pediatrics, Johns Hopkins University, 1889-1909; Associate in Pediatrics, the Johns Hopkins Hospital and Dispensary, 1889-1909.

208 W. Monument St.

ASSOCIATE PROFESSORS

WILLIAM WOOD RUSSELL, M. D.

Associate Professor of Clinical Gynecology

M. D., University of Pennsylvania, 1890; Resident and Associate in Gynecology, Johns Hopkins Hospital, 1894-1914; Associate in Gynecology, Johns Hopkins University, 1895-99; *Assistant Visiting Gynecologist, the Johns Hopkins Hospital.*

1208 Eutaw Place

THOMAS STEPHEN CULLEN, M. B.

Associate Professor of Clinical Gynecology

M. B., University of Toronto, 1890; Assistant Resident, Resident, and Associate in Gynecology, the Johns Hopkins Hospital, 1892-1914; Instructor and Associate in Gynecology, Johns Hopkins University, 1895-1899; *Assistant Visiting Gynecologist, the Johns Hopkins Hospital.*

3 W. Preston St.

ROBERT LEE RANDOLPH, M. D.

Associate Professor of Clinical Ophthalmology and Otology

M. D., University of Maryland, 1884, and A. M. (Hon.), Johns Hopkins University, 1902; Assistant in Ophthalmology, Vienna Polyclinic, 1886; Associate in Ophthalmology and Otology, Johns Hopkins University, 1896-1901; *Ophthalmologist in charge, Dispensary, and Assistant Visiting Ophthalmologist, the Johns Hopkins Hospital.*

609 Park Av.

THOMAS BARNES FUTCHER, M. B.

Associate Professor of Clinical Medicine

M. B., University of Toronto, 1893; Assistant Resident, Resident, and Associate in Medicine, Johns Hopkins Hospital, 1894-1914; Instructor and Associate in Medicine, Johns Hopkins University, 1896-1901; *Physician in charge, Dispensary, and Assistant Visiting Physician, the Johns Hopkins Hospital.*

23 W. Franklin St.

JOSEPH COLT BLOODGOOD, M. D.

Associate Professor of Clinical Surgery

S. B., University of Wisconsin, 1888; M. D., University of Pennsylvania, 1891; Resident Surgeon, 1893-97, and Associate in Surgery, Johns Hopkins Hospital, 1897-1914; Assistant, Instructor, and Associate in Surgery, Johns Hopkins University, 1895-1903; *Assistant Visiting Surgeon, the Johns Hopkins Hospital.*

904 N. Charles St.

WILLIAM STEVENSON BAER, M. D.

Associate Professor of Clinical Orthopedic Surgery

A. B., Johns Hopkins University, 1894, and M. D., 1898; Assistant, Instructor, and Associate in Orthopedic Surgery, 1900-1910; Resident House Officer, Assistant Resident Surgeon and Associate in Orthopedic Surgery, the Johns Hopkins Hospital, 1898-1914; *Surgeon in charge, Orthopedic Dispensary, and Assistant Visiting Orthopedic Surgeon, the Johns Hopkins Hospital.*

4 E. Madison St.

THOMAS RICHMOND BOGGS, M. D.

Associate Professor of Clinical Medicine

S. B., University of Georgia, 1896; Graduate Student, 1896-97; M. D., Johns Hopkins University, 1901; Assistant and Associate in Medicine, 1903-11; Resident House Officer, Assistant Resident and Resident Physician, 1901-1911; Physician-in-Chief, City Hospital, Baltimore; *Assistant Visiting Physician, the Johns Hopkins Hospital.*

21 W. Chase St.

LECTURERS

CHARLES WARDELL STILES, Ph. D., D. Sc.

Lecturer on Medical Zoölogy

A. M., Ph. D., University of Leipzig, 1890; M. S. (Hon.), Wesleyan University, 1896; D. Sc. (Hon.), Wesleyan University, 1906; Corresponding Member, Society of Biology and Academy of Medicine (Paris); Zoölogist, U. S. Bureau of Animal Industry, 1891-1902; Professor of Zoölogy, of U. S. Public Health and Marine-Hospital Service, Washington, D. C.; Secretary, International Commission on Zoölogical Nomenclature, Scientific Secretary, Rockefeller Sanitary Commission for the Eradication of Hookworm Disease.

Hygienic Laboratory, 25th and E Sts., N. W., Washington.

CHARLES CASPARI, Jr.

Lecturer in Pharmacy

Ph. G., Maryland College of Pharmacy, 1869; Phar. D., University of Maryland, 1905; Professor of Pharmacy and Dean of Faculty, University of Maryland.

1129 Harlem Ave.

ASSOCIATES

FRANK ROBERT SMITH, M. D.

Associate in Clinical Medicine

A. M., University of Cambridge (England), 1882; M. D., University of Maryland, 1891; Assistant Resident Physician, the Johns Hopkins Hospital, 1891-93; Instructor in Medicine, Johns Hopkins University, 1895-1901; *Dispensary Physician, Johns Hopkins Hospital.*

1126 Cathedral St.

GUY LeROY HUNNER, M. D.

Associate in Clinical Gynecology

S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897, and Instructor in Gynecology, 1901-1902; Resident House Officer, Assistant Resident, Resident Gynecologist, and Associate in Gynecology, 1897-1914; *Assistant Visiting Gynecologist, the Johns Hopkins Hospital.*

2305 St. Paul St.

LOUIS PHILIP HAMBURGER, M. D.

Associate in Clinical Medicine

A. B., Johns Hopkins University, 1893, M. D., 1897, Assistant and Instructor in Medicine, 1899-1904; Resident House Officer, 1897-98; *Dispensary Physician, the Johns Hopkins Hospital.*

1207 Eutaw Place

THOMAS RICHARDSON BROWN, M. D.

Associate in Clinical Medicine

A. B., Johns Hopkins University, 1892, M. D., 1897, Instructor in Medicine, 1899-1904; Resident House Officer, 1897-98; *Physician in charge, Gastro-Intestinal Diseases, Dispensary, and Assistant Visiting Physician, the Johns Hopkins Hospital.*

19 W. Biddle St.

RICHARD HOLDEN FOLLIS, M. D.

Associate in Clinical Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899, and Instructor in Surgery, 1902-1905; Externe, Assistant Resident, Resident Surgeon, and Associate in Surgery, 1899-1914; *Dispensary Surgeon, and Assistant Visiting Surgeon, the Johns Hopkins Hospital.*

3 E. Read St.

GEORGE WALKER, M. D.

Associate in Clinical Surgery

M. D., University of Maryland, 1889; Instructor in Surgery, Johns Hopkins University, 1900-1905; *Surgeon in Charge, the Johns Hopkins Dispensary.*

529 N. Charles St.

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Associate in Actinography

A. B., Johns Hopkins University, 1897, M. D., 1901, and Assistant in Surgery, 1903-1906; Resident House Officer, 1901-02; *Actinographist, the Johns Hopkins Hospital.*

4 E. Madison St.

LOUIS VIRGIL HAMMAN, M. D.

Associate in Clinical Medicine

A. B., Rock Hill College, 1896; Graduate Student, Johns Hopkins University, 1896-97, M. D., 1901, and Assistant and Instructor in Medicine, 1903-1908; House Physician, New York Hospital, 1902-1903; *Physician in charge, Phipps Dispensary, and Assistant Visiting Physician, the Johns Hopkins Hospital.*

714 Park Av.

ELIZABETH HURDON, M. D.

Associate in Clinical Gynecology

M. D., Trinity University (Toronto), 1895; Assistant and Instructor in Gynecology, Johns Hopkins University, 1900-1908.

31 W. Preston St.

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Associate in Clinical Pediatrics

A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; Assistant and Instructor in Pediatrics, 1902-1909; Resident House Officer, 1898-1899; Physician in charge, the Thomas Wilson Sanitarium; *Dispensary Pediatrician, and Assistant Visiting Pediatrician, the Johns Hopkins Hospital.*

804 Cathedral St.

JOHN TIMOTHY GERAGHTY, M.D.

Associate in Clinical Urology

A. B., St. Thomas College, 1895; Ph. B.. St. Paul Seminary, 1897; Graduate Student, Johns Hopkins University, 1897-1898; M. D., 1903; Assistant and Instructor in Genito-Urinary Diseases, 1907-1910; Resident House Officer, 1903-1904; Consulting Urologist, City Hospital, Bay View; *Urologist in charge, the Johns Hopkins Dispensary.*

330 N. Charles St.

EDWARD HENDERSON RICHARDSON, M. D.

Associate in Clinical Gynecology

A. B., Hampden-Sidney College, 1900; Graduate Student, Johns Hopkins University, 1900-1901, and M. D., 1905; Instructor in Gynecology, 1910-1912; Resident House Officer, and Assistant Resident and Resident Gynecologist, 1905-1910; Consulting Gynecologist, City Hospital, Bay View; *Gynecologist in charge, the Johns Hopkins Dispensary.*

216 E. Preston St.

SAMUEL JAMES CROWE, M. D.

Associate in Clinical Laryngology

A. B., University of Georgia, 1904; M. D., Johns Hopkins University, 1908; Assistant in Surgery, 1908-1909; Assistant Resident Surgeon, 1909-1910; *Laryngologist in charge, Dispensary, and Visiting Laryngologist, the Johns Hopkins Hospital.*

1206 Linden Av.

JOHN ARTHUR LUETSCHER, M. D.

Associate in Clinical Medicine

S. B., University of Wisconsin, 1895; M. D., Johns Hopkins University, 1899; Assistant and Instructor in Medicine, 1905-1913; Resident House Officer, 1899-1900; House Physician, City Hospital, Boston, 1900-1901; *Dispensary Physician, the Johns Hopkins Hospital.*

1025 Madison Av.

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Associate in Clinical Obstetrics

M. D. C. M., McGill University, 1908; House Surgeon, Montreal General Hospital, 1908-1909; Interne, Assistant Resident, and Resident Obstetrician, the Johns Hopkins Hospital, 1909-1912; Assistant and Instructor in Obstetrics, Johns Hopkins University, 1910-1912; Resident Gynecologist, Royal Victoria Hospital, Montreal, 1912-1913; *Assistant Visiting Obstetrician, the Johns Hopkins Hospital.*

23 W. Chase St.

INSTRUCTORS

JAMES JOSEPH MILLS, M. D.

Instructor in Clinical Ophthalmology

M. D., Baltimore Medical College, 1889; Assistant in Ophthalmology and Otology, Johns Hopkins University, 1903-04; Consulting Ophthalmologist, City Hospital, Bay View, and *Dispensary Ophthalmologist, the Johns Hopkins Hospital.*

853 Park Av.

JACOB HALL PLEASANTS, M. D.

Instructor in Clinical Medicine

A. B., Johns Hopkins University, 1895, and M. D., 1899; Assistant in Medicine, 1900-1905; Resident House Officer, 1899-1900; President, Board of Supervisors of City Charities; *Dispensary Physician, the Johns Hopkins Hospital.*

806 University Parkway

EDGAR RANDOLPH STROBEL, M. D.

Instructor in Clinical Dermatology

A. B., Johns Hopkins University, 1895, and M. D., 1899; Assistant in Dermatology, 1903-1906; Consulting Dermatologist, City Hospital, Bay View; *Dispensary Dermatologist, the Johns Hopkins Hospital.*

330 N. Charles St.

WILLIAM RUSH DUNTON, Jr., M. D.

Instructor in Clinical Psychiatry

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; Assistant in Psychiatry, Johns Hopkins University, 1906; *Dispensary Psychiatrist, the Johns Hopkins Hospital.*

E. Evesham Av., Govans.

JOSEPH ALBERT CHATARD, M. D.

Instructor in Clinical Medicine

A. B., Loyola College, 1898; Graduate Student, Johns Hopkins University, 1898-1899, and M. D., 1903; Assistant in Medicine, 1905-1907; Assistant Resident Physician, St. Joseph's Hospital, 1903-1904; *Dispensary Physician, the Johns Hopkins Hospital.*

40 W. Biddle St.

NATHAN EDMONDSON BERRY IGLEHART, M. D.

Instructor in Clinical Surgery

M. D., University of Maryland, 1889; Assistant in Surgery, Johns Hopkins University, 1900-1909; *Dispensary Surgeon, the Johns Hopkins Hospital.*

1012 Cathedral St.

GEORGE LANE TANEYHILL, Jr., M. D.

Instructor in Clinical Neurology

A. B., Johns Hopkins University, 1900, M. D., 1904; Assistant in Medicine, 1905-1909; Externe, the Johns Hopkins Hospital, 1904-1905; *Dispensary Neurologist, the Johns Hopkins Hospital.*

1402 Eutaw Place

CHARLES WILLIAM LARNED, M. D.

Instructor in Clinical Medicine

M. D., University of Maryland, 1893; Assistant in Medicine, Johns Hopkins University, 1906-1909; Resident Physician, Free Lying-in-Hospital, University of Maryland, 1893-1894; Resident Physician, Hospital for Women of Maryland, 1894-1895; *Dispensary Physician, the Johns Hopkins Hospital.*

1327 Park Av.

HENRY LEE SMITH, M. D.

Instructor in Clinical Medicine

M. D., University of Maryland, 1894; A. M. (Hon.), St. John's College (Maryland), 1909; Assistant in Medicine, Johns Hopkins University, 1906-1909; Resident Physician, Hospital for Women of Maryland, 1895-1896; *Dispensary Physician, the Johns Hopkins Hospital.*

2701 N. Calvert St.

SAMUEL WOLMAN, M. D.

Instructor in Clinical Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Assistant in Medicine, 1907-1909; *Dispensary Physician, the Johns Hopkins Hospital.*

2407 Madison Av.

JOHN HENDRICKEN KING, M. D.

Instructor in Clinical Medicine

A. B., Johns Hopkins University, 1899, and Graduate Student, 1899-1902; M. D., 1906; Assistant and Instructor in Medicine and Pathological Physiology, 1906-1909; *Assistant Dispensary Physician, the Johns Hopkins Hospital.*

1227 N. Calvert St.

CHARLES METCALFE BYRNES, M. D.

Instructor in Clinical Neurology

S. B., University of North Carolina, 1902; M. D., Johns Hopkins University, 1906; Adjunct Professor of Anatomy, University of Virginia, 1908-1909; *Dispensary Neurologist, the Johns Hopkins Hospital.*

207 E. Preston St.

JOHN STAIGE DAVIS, M. D.

Instructor in Clinical Surgery

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; Resident House Officer, 1899-1900; Resident Physician, Union Protestant Infirmary, 1900-1903; *Dispensary Surgeon, the Johns Hopkins Hospital.*

1200 Cathedral St.

WILLIAM ALEXANDER FISHER, M. D.

Instructor in Clinical Surgery

A. B., Princeton University, 1896; M. D., Johns Hopkins University, 1900; Resident House Officer, 1900-1901; *Dispensary Surgeon, the Johns Hopkins Hospital.*

715 Park Av.

OMAR BORTON PANCOAST, M. D.

Instructor in Clinical Surgery

S. B., Swarthmore College, 1893; M. D., Johns Hopkins University, 1897; Resident House Officer, 1897-1898; *Dispensary Surgeon, the Johns Hopkins Hospital.*

1111 N. Charles St.

BERTRAM MOSES BERNHEIM, M. D.

Instructor in Clinical Surgery

A. B., Johns Hopkins University, 1901; M. D., 1905; Assistant in Surgery, 1911-1913; *Dispensary Surgeon, the Johns Hopkins Hospital.*

2319 Linden Av.

DAVID ISRAEL MACHT, M. D.

Instructor in Clinical Medicine

A. B., Johns Hopkins University, 1902, and M. D., 1906; Assistant in Medicine, 1911-1913; Harvard Summer School, 1903-1905; Vol. Asst. Klinik, Prof. Landau, Berlin, 1906-1907; *Dispensary Physician, the Johns Hopkins Hospital.*

3218 Auchentoroly Terr.

HARVEY BRINTON STONE, M. D.

Instructor in Clinical Surgery

A. B., Johns Hopkins University, 1902, and M. D., 1906; Resident House Officer, 1906-1907; Adjunct Professor of Surgery, University of Virginia, 1907-1910; *Dispensary Surgeon, the Johns Hopkins Hospital.*

214 E. Preston St.

ALBERT KEIDEL, M. D.

Instructor in Clinical Urology

A. B., Johns Hopkins University, 1900, and M. D., 1903; Clinical Assistant in Medicine, Johns Hopkins Hospital, 1903-1906; *Dispensary Urologist, the Johns Hopkins Hospital.*

847 Park Av.

ROADES FAYERWEATHER, M. D.

Instructor in Clinical Orthopedic Surgery

A. B., Harvard University, 1899; M. D., Johns Hopkins University, 1903; Assistant in Orthopedic Surgery, 1905-1914; Orthopedic Surgeon, Carney Hospital, Boston, 1903-1904; *Dispensary Surgeon, the Johns Hopkins Hospital.*

529 N. Charles St.

ROBERT WILLIAM BAINBRIDGE MAYO, M. D.

Instructor in Clinical Medicine

A. B., Maryland Agricultural College, 1903, and M. S., 1904; M. D., Johns Hopkins University, 1908; Supt., Gulf Coast Sanatorium, Mississippi, 1909-1910; Assistant Resident, Church Home and Infirmary, 1910-1911; Resident Surgeon, Hospital for Women of Maryland, 1911-1912; *Dispensary Physician, the Johns Hopkins Hospital.*

819 N. Charles St.

JAMES RAGLAN MILLER, M. D.

Instructor in Clinical Obstetrics

A. B., Yale University, 1907; M. D., Johns Hopkins University, 1911; Munich, Freiburg and Vienna, 1911-1914; Visiting Obstetrician, Hospital for Women of Maryland.

137 W. Lafayette Ave.

ASSISTANTS

EUGENE JOSEPH LEOPOLD, M. D.

Assistant in Clinical Surgery

A. B., Johns Hopkins University, 1901; M. D., 1905; Graduate Student, University of Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Graduate Student, London, 1905-1907; *Dispensary Physician, the Johns Hopkins Hospital.*

803 Park Av.

HOWARD ELMER ASHBURY, M. D.

Assistant in Clinical Surgery

Ph. G., Maryland College of Pharmacy, 1899; M. D., University of Maryland, 1908; *Dispensary Surgeon, the Johns Hopkins Hospital.*

1017 Cathedral St.

TRIGANT BURROW, M. D., Ph. D.

Assistant in Clinical Psychiatry

A. B., Fordham University, 1895; M. D., University of Virginia, 1899; Demonstrator in Biology, University of Virginia, 1899-1900; Graduate Student, Pathology and Bacteriology, and Philology, 1901-1903; Assistant in Psychology, Johns Hopkins University, 1906-1909, and Ph. D., 1909; *Assistant Dispensary Psychiatrist, the Johns Hopkins Hospital.*

707 St. Paul St.

FRANKLIN HAZLEHURST, Jr., M. D.

Assistant in Clinical Laryngology

A. B., Johns Hopkins University, 1903, and M. D., 1907; Acting Resident House Officer and Externe in Medicine, 1907-1908; Surgeon, Robert Garrett Hospital for Children; *Assistant Dispensary Laryngologist, the Johns Hopkins Hospital.*

230 W. Lafayette Av.

MARTIN FRANCIS SLOAN, M. D.

Assistant in Clinical Medicine

M. D., Baylor University, 1907; Resident Physician, Eudowood Sanatorium; *Dispensary Physician, the Johns Hopkins Hospital.*

Eudowood

HEDLEY VICARS TWEEDIE, M. D.

Assistant in Clinical Ophthalmology

M. D., Baltimore Medical College, 1897; Assistant Surgeon, Baltimore Eye, Ear, and Throat Charity Hospital; *Dispensary Ophthalmologist, the Johns Hopkins Hospital.*

508 Park Av.

SYDNEY ROBOTHAM MILLER, M. D.

Assistant in Clinical Medicine in charge of Laboratory of Internal Medicine, Phipps Psychiatric Clinic

S. B., New York University, 1905; M. D., Johns Hopkins University, 1910; Resident House Officer, 1910-1911; *Dispensary Physician, the Johns Hopkins Hospital.*

Elgin Av. and 12th St.

ISAAC ROSENBAUM PELS, M. D.

Assistant in Clinical Dermatology

A. B., Johns Hopkins University, 1902, and M. D., 1906; Interne, the Jewish Hospital, Philadelphia, 1906-1907; Externe in Medicine and Surgery, 1907-1909; Interne, Union Protestant Infirmary, Baltimore, 1908; *Dispensary Dermatologist, the Johns Hopkins Hospital.*

922 W. North Ave.

GEORGE E. BENNETT, M. D.

Assistant in Clinical Orthopedic Surgery

M. D., University of Maryland, 1909; *Dispensary Surgeon, Johns Hopkins Hospital.*

4 E. Madison St.

LEO JOHN GOLDBACH, M. D.

Assistant in Clinical Ophthalmology

A. B., Loyola College, 1901; M. D., University of Maryland, 1905; Surgeon, Presbyterian Eye, Ear and Throat Hospital; *Dispensary Ophthalmologist, the Johns Hopkins Hospital.*

322 N. Charles St.

LLOYD WARREN KETRON, M. D.

Assistant in Clinical Dermatology

A. B., Grant University, 1907; M. D., Johns Hopkins University, 1911; *Assistant Dispensary Dermatologist, the Johns Hopkins Hospital.*

529 N. Charles St.

LLOYD BANKSON WHITHAM, M. D.

Assistant in Clinical Ophthalmology

M. D., University of Pennsylvania, 1910; Assistant Surgeon, Baltimore Eye, Ear and Throat Charity Hospital; Consulting Ophthalmologist, Robert Garrett Hospital; *Dispensary Ophthalmologist, the Johns Hopkins Hospital.*

1007 N. Calvert St.

JOHN SCOTT WILLOCK, M. D.

Assistant in Clinical Dermatology

S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904; Resident Physician, Allegheny General Hospital, 1904-1905; *Assistant Dispensary Dermatologist, the Johns Hopkins Hospital.*

Englewood Rd. and Falls Rd. Terr., Roland Park.

ADVISORY BOARD OF THE MEDICAL FACULTY

Frank J. Goodnow (*President*),
William H. Welch,
Henry M. Hurd,
William S. Halsted,
Howard A. Kelly,
Franklin P. Mall,
John J. Abel,
William H. Howell,
J. Whitridge Williams (*Dean*),
Adolf Meyer,
Winford H. Smith,
Walter Jones,
John Howland.
Theodore C. Janeway.

The Board was constituted by resolution of the Trustees (April 3, 1893), "to report to the Trustees from time to time their suggestions and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

STANDING COMMITTEES OF THE FACULTY

EXECUTIVE COMMITTEE

The President of the University, The Dean of the Medical Faculty, The Superintendent of the Johns Hopkins Hospital

COMMITTEE ON THE LIBRARY

William H. Howell (Chairman),
John J. Abel,
Walter Jones,
Franklin P. Mall,
The University Librarian,
J. Whitridge Williams,
John Howland,
Theodore C. Janeway.

COMMITTEE ON ADMISSION

The Dean (Chairman),
John J. Abel,
William W. Ford,
William H. Howell,
Walter Jones,
Franklin P. Mall,
Florence R. Sabin,
William H. Welch.
Warren H. Lewis.

COMMITTEE ON INSTRUCTION AND EXAMINATIONS FOR THE FIRST AND SECOND YEARS OF THE COURSE

William H. Howell, Chairman.

This Committee consists of the Professors and Associate Professors instructing first and second year students.

COMMITTEE ON INSTRUCTION AND EXAMINATIONS FOR THE THIRD AND FOURTH YEARS OF THE COURSE

J. Whitridge Williams, Chairman.

This Committee consists of the Professors and Associate Professors instructing third and fourth year students.

COMMITTEE ON GRADUATE INSTRUCTION

The Dean (Chairman), Winford H. Smith.
Lewellys F. Barker,

COMMITTEE ON THE CATALOGUE AND ANNOUNCEMENT

The Dean (Chairman), Franklin P. Mall,
William H. Howell, William H. Welch.

The Dean is *ex officio* member of all committees.

OTHER OFFICERS

M. Llewellyn Raney.....4117 Penhurst Av., W. Arlington.
Librarian of the University.

Thomas R. Ball.....3102 Walbrook Av.
Registrar of the University.

George J. Coy.....2403 Elsinore Av., Walbrook
Registrar of the Medical Department.

Medical Board of the Johns Hopkins Hospital

Lewellys F. Barker,
John M. T. Finney,
William S. Halsted,
Howard A. Kelly,
John Howland,
Henry M. Hurd,
Theodore C. Janeway,
Adolf Meyer,
Winford H. Smith,
William S. Thayer,
William H. Welch,
J. Whitridge Williams.

Under the rules and regulations of the Johns Hopkins Hospital it is "the duty of the Medical Board to advise the Trustees in all matters relating to the welfare of the Hospital."

THE MEDICAL STAFF OF THE JOHNS HOPKINS HOSPITAL AND DISPENSARY*

Superintendent ..... WINFORD H. SMITH.
Assistant Superintendent..... KARL H. VAN NORMAN.
" " RALPH B. SEEM.
" " LEWIS A. SEXTON.
Physician-in-Chief ..... THEODORE C. JANEWAY.
Associate Physician..... HERMAN O. MOSENTHAL.
Assistant Physician..... LEONARD G. ROWNTREE.
Surgeon-in-Chief ..... WILLIAM S. HALSTED.
Associate Surgeon..... GEORGE J. HEUER.
Pediatrician-in-Chief..... JOHN HOWLAND.
Associate Pediatrician..... EDWARDS A. PARK.
Gynecologist-in-Chief..... HOWARD A. KELLY.
Obstetrician-in-Chief..... J. WHITRIDGE WILLIAMS.
Psychiatrist-in-Chief ..... ADOLF MEYER.
Associate Psychiatrist..... C. MACFIE CAMPBELL.
Pathologist..... WILLIAM H. WELCH.

Visiting Physician..... LEWELLYS F. BARKER.
" " WILLIAM S. THAYER.
" *Surgeon*..... JOHN M. T. FINNEY.
" *Urologist*..... HUGH H. YOUNG.
" *Neurologist*..... HENRY M. THOMAS.
" *Ophthalmologist*..... SAMUEL THEOBALD.
Visiting Dermatologist..... T. CASPAR GILCHRIST.
" " J. WILLIAMS LORD.
Assistant Visiting Physician..... THOMAS B. FUTCHER.
" " " LOUIS HAMMAN.
" " " THOMAS R. BOGGS.
" " " THOMAS R. BROWN.
Assistant Visiting Surgeon..... JOSEPH C. BLOODGOOD.
" " " RICHARD H. FOLLIS.
" " " WILLIAM S. BAER (Orthopedic Surgeon).
" " " SAMUEL J. CROWE (Laryngologist).
Asst. Visiting Ophthalmologist... ROBERT L. RANDOLPH.

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* Corrected to September 1, 1914.

Assistant Visiting Gynecologist.. William W. Russell.
" " " Thomas S. Cullen.
" " " Guy L. Hunner.
Assistant Visiting Obstetrician... Karl M. Wilson.
Assistant Visiting Pediatrician.. J. H. Mason Knox.
Roentgenologist. . . . . Frederick H. Baetjeb.
Asst. Roentgenologist..... Charles A. Waters.

Resident Physician..... Paul W. Clough.
Assistant Resident Physician.... Clyde G. Guthrie.
" " " D. Sclater Lewis.
" " " Thomas P. Sprunt.
" " " Arthur L. Bloomfield.
" " " David C. Streett.
" " " George Minot.
" " " Robert L. Levy.
" " " F. Janney Smith.
Resident Surgeon..... Roy D. McClure.
Assistant Resident Surgeon..... Walter E. Dandy.
" " " Mont R. Reid.
" " " Charles H. Watt.
" " " Harry R. Slack.
" " " Kenneth A. Phelps.
" " " Lewis C. Spencer.
" " " Frank Hinman.
" " " William Frontz.
Resident Gynecologist..... J. Craig Neel.
Assistant Resident Gynecologist.. Veader N. Leonard.
" " " William M. Dumm.
" " " Walter R. Holmes.
Resident Obstetrician..... Everett D. Plass.
Assistant Resident Obstetrician.. William L. Millea.
(*Absent on leave*)
" " " Willa M. Fricke.
Resident Pediatrician..... Kenneth D. Blackfan.
Assistant Resident Pediatrician.. Grover F. Powers.
Resident Psychiatrist..... David K. Henderson.
Assistant Resident Psychiatrist.. Edward J. Kempf.
" " " Roscoe W. Hall.
Acting Resident Pathologist..... Ernest W. Goodpasture.
Assistant Resident Pathologist... Thornton Stearns.

Resident House Officers:

Grover A. Batten,
Stanhope Bayne-Jones,
Mildred Clark,
George W. Corner,
Daniel Davis,
John C. Donaldson,
George R. Dunn,
Frank A. Evans,
Morris Flexner,
John T. King, Jr.,
John K. Ormond,
Leslie H. Redelings,
Alma S. Rothholz,
Joseph Webb,
Jerome P. Webster,
Herbert M. N. Wynne,
Isadore Zadek.

OUT-PATIENT DEPARTMENT

Physician-in-Chief ..... Theodore C. Janeway.
Surgeon-in-Chief ..... William S. Halsted.
Gynecologist-in-Chief ..... Howard A. Kelly.
Obstetrician-in-Chief ..... J. Whitridge Williams.
Psychiatrist-in-Chief ..... Adolf Meyer.
Pediatrician-in-Chief ..... John Howland.

DEPARTMENT OF MEDICINE

A—*General Medicine:*

Physician in Charge ..... Thomas B. Futcher.
Dispensary Physician ..... Frank R. Smith.
" " Charles R. Austrian.
" " Louis P. Hamburger.
" " Joseph A. Chatard.
" " Henry Lee Smith.
" " Charles W. Larned.
" " Sydney R. Miller.
" " Eugene J. Leopold.
" " George H. White.
" " David I. Macht.
" " Robert W. B. Mayo.
" " Walter A. Baetjer.
" " J. Hall Pleasants.
" " Mary A. Hodge.

Asst. Dispensary Physician.....NATHANIEL S. GARB.
" " " BERTHA C. TAPMAN.
" " " GUSTAV H. WOLTERECK.
" " " WILLIAM K. SKILLING.
" " " HENRY B. ATHEY.
" " " HARRY GOLDBERG.
" " " FIRMADGE K. NICHOLS.

B—*Clinical Neurology:*

Neurologist in Charge.....HENRY M. THOMAS.
Dispensary Neurologist.....G. LANE TANEYHILL.
" " CHARLES M. BYRNES.
Asst. Dispensary Neurologist.....ROBERT A. WARNER.
" " " RICHARD C. BUNTING.

C—*Phipps Dispensary:*

Physician in Charge.....LOUIS V. HAMMAN.
Dispensary Physician.....SAMUEL WOLMAN.
" " MARTIN F. SLOAN.
" " EUGENE J. LEOPOLD.
Asst. Dispensary Physician.....JOHN GIRDWOOD.
" " " JOSEPH J. KEMLER.
" " " EDWARD V. COOLAHAN.

D—*Gastro-Intestinal Diseases:*

Physician in Charge.....THOMAS R. BROWN.
Asst. Dispensary Physician.....ERNEST H. GAITHER.
" " " ELMER B. FREEMAN.
" " " EDGAR P. SANDROCK.
" " " JOHN H. KING.

DEPARTMENT OF SURGERY

A—*General Surgery:*

Surgeon in Charge.....GEORGE WALKER.
Dispensary Surgeon.....RICHARD H. FOLLIS.
" " OMAR B. PANCOAST.
" " J. STAIGE DAVIS.
" " WILLIAM A. FISHER.
" " BERTRAM M. BERNHEIM.
" " NATHAN E. B. IGLEHART.

Dispensary Surgeon.....HARVEY B. STONE.
" " HARRY L. HOMER.
Asst. Dispensary Surgeon.....CHARLES R. AHROON.
" " " RONALD T. ABERCROMBIE.
" " " ELLIOTT H. HUTCHINS.
" " " THOMAS R. CHAMBERS.

B—*Ophthalmology:*

Ophthalmologist in Charge.....SAMUEL THEOBALD.
" " " ROBERT L. RANDOLPH.
Dispensary Ophthalmologist.....LEO J. GOLDBACH.
" " HEDLEY V. TWEEDIE.
" " LLOYD B. WHITHAM.

C—*Urology:*

Urologist in Charge.....JOHN T. GERAGHTY.
Dispensary Urologist.....FREDERICK W. HOBELMAN.
" " ALBERT KEIDEL.

D—*Laryngology, Rhinology and Otology:*

Laryngologist in Charge.....SAMUEL J. CROWE.
Asst. Dispensary Laryngologist...HOAGLAND C. DAVIS.
" " " FRANKLIN HAZLEHURST.
" " " HARRY R. SLACK.
" " " CARL W. WALDRON.

E—*Dermatology:*

Dermatologist in Charge.....T. CASPAR GILCHRIST.
" " " J. WILLIAMS LORD.
Dispensary Dermatologist.....EDGAR R. STROBEL.
" " ISAAC R. PELS.
Asst. Dispensary Dermatologist..J. EDWARD GATELY.
" " " LLOYD W. KETRON.
" " " JOHN SCOTT WILLOCK.

F—*Orthopedic Surgery:*

Surgeon in Charge.....WILLIAM S. BAER.
Dispensary Surgeon.....HOWARD E. ASHBURY.
" " ROADES FAYERWEATHER.
" " GEORGE E. BENNETT.
Asst. Dispensary Surgeon.....CARL R. AHROON.
" " " LEWIS C. SPENCER.
" " " N. M. CANTER.

DEPARTMENT OF GYNECOLOGY AND OBSTETRICS

A—*Gynecology:*

Gynecologist in Charge.....EDWARD H. RICHARDSON.
" " " J. CRAIG NEEL.
Dispensary Gynecologist.....VEADER N. LEONARD.
" " WILLIAM M. DUMM.
" " WALTER R. HOLMES.

B—*Obstetrics:*

Obstetrician in Charge.....EVERETT D. PLASS.
Dispensary Obstetrician.....WILLA M. FRICKE.
Asst. Dispensary Obstetrician....DANIEL DAVIS.
" " " JOSEPH WEBB.

DEPARTMENT OF PEDIATRICS

Pediatrician in Charge.....EDWARDS A. PARK.
Dispensary Physician.....J. H. MASON KNOX.
Asst. Dispensary Physician.....WILLIAMS McK. MARRIOTT.
" " " JAMES B. HOLMES.
" " " GROVER F. POWERS.
" " " HARRY L. WHITTLE.
" " " GROVER A. BATTEN.
" " " MORRIS FLEXNER.
" " " ALMA S. ROTHHOLZ.

DEPARTMENT OF PSYCHIATRY

Psychiatrist in Charge.....C. MACFIE CAMPBELL.
Dispensary Psychiatrist.....WM. RUSH DUNTON, JR.
Asst. Dispensary Psychiatrist....GEORGE F. SARGENT.
" " " TRIGANT BURROW.
" " " DANIEL D. V. STUART.
" " " EDWARD J. KEMPF.
" " " RALPH T. TRUITT.
" " " ROSCOE W. HALL.
" " " HENRY FLOURNOY.
" " " WILLIAM B. CORNELL.
" " " GEORGE B. WOLFF.

City Hospitals at Bay View

(Controlled by the Board of Supervisors of City Charities)

THE CITY HOSPITAL
THE MUNICIPAL TUBERCULOSIS HOSPITAL
THE DETENTION HOSPITAL FOR THE INSANE

LAMAR HOLLYDAY, *Superintendent*

Medical Board:

Physician-in-Chief.....THOMAS R. BOGGS, M. D.
Surgeon-in-Chief.....ARTHUR M. SHIPLEY, M. D.
Physician in Charge, Tuberculosis Hospital.....GORDON WILSON, M. D.
Physician in Charge, Detention Hospital for Insane.....HENRY E. AUSTIN, M. D.
Pathologist.....MILTON C. WINTERNITZ, M. D.

Consulting Staff:

Alienists.....HENRY J. BERKLEY, M. D.; ADOLF MEYER, M. D.
Neurologist.....HENRY M. THOMAS, M. D.
Urologists.....JOHN T. GERAGHTY, M. D.; GEORGE TIMBERLAKE, M. D.
Gynecologists.....HUGH BRENT, M. D.; EDWARD H. RICHARDSON, M. D.
Laryngologist.....FRANK D. SANGER, M. D.
Otologist.....WILLIAM TARUN, M. D.
Dermatologist.....EDGAR R. STROBEL, M. D.
Pediatricians.....JOHN HOWLAND, M. D.; JOHN RUHRAH, M. D.
Ophthalmologist.....JAMES J. MILLS, M. D.

Third-year students receive clinical instruction in medicine in the City and Tuberculosis Hospitals during the third trimester.

Fourth-year students receive clinical instruction in psychiatry in the Detention Hospital for the Insane.

Elective work will be offered during the entire year.

REQUIREMENTS FOR ADMISSION AND GRADUATION

GENERAL DESCRIPTION OF THE COURSE OF INSTRUCTION OFFERED TO CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

GENERAL STATEMENT

The Medical Department of the Johns Hopkins University was opened for the instruction of students October, 1893. It is an integral and coördinate part of the University, and is in the closest affiliation with the Johns Hopkins Hospital, the professors of the various clinical branches being the heads of the corresponding departments in the Hospital.

From the opening of the school, all instructors in the underlying scientific branches have devoted their entire time to their university duties. The establishment by the General Education Board in 1914 of the William H. Welch Fund for the Advancement of Clinical Teaching has made it possible to place the responsible instructors in Medicine, Surgery, and Pediatrics upon a similar basis, while others who are engaged in practice will be utilized as clinical teachers.

The course of instruction extends over four years, and is planned for the professional training of those who have received a liberal education, as indicated by a collegiate degree in arts or science from an acceptable institution, including an adequate training in physics, chemistry, and biology, and a reading knowledge of French and German. Men and women are admitted upon the same terms.

In order to afford requisite facilities, the number of students in each class is limited to ninety.

Throughout the course special emphasis is laid upon practical work in the laboratories and in the dispensary and wards of the Hospital. While the primary aim of the School is to train practitioners of medicine and surgery, it is recognized that the medical art should rest upon a suitable preliminary education and upon thorough training in the underlying medical sciences. The first two years are devoted mainly to practical work, combined with demonstrations,

recitations and lectures, in the laboratories of anatomy, physiology, physiological chemistry, pharmacology, pathology, and bacteriology. During the last two years the student is given abundant opportunity for the personal study of sick patients, and most of his time is spent in the hospital wards or dispensary, and in the clinical laboratories.

The instruction begins on the morning of the first Tuesday of October. Candidates for admission are required to be present on the preceding Friday (see the Calendar, page 7). The graduating exercises are held on the second Tuesday of June. There are short recesses at Christmas and Easter.

All inquiries should be addressed to the Dean of the Johns Hopkins Medical School.

REQUIREMENTS FOR ADMISSION

As candidates for the degree of Doctor of Medicine the School receives:

I. Those who have satisfactorily completed the Chemical-Biological course, which leads to the A. B. degree in this University (Group V., course preliminary to medicine).

II. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have an acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of biology, chemistry and physics, as may be obtained by courses corresponding to those outlined below.*

* Biology.—In addition to the usual class work, the instruction must include a year's laboratory course of six hours or more a week upon the structure, functions and life-histories of selected types of animal and plant life. Courses in botany or zoology will be accepted provided the laboratory work has been adequate. It is desirable that the course should include laboratory instruction in embryology.

III. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and in addition, the knowledge of Latin, French, German, physics, chemistry, and biology above indicated.

(Thus far, no students have been accepted under this special provision.)

Application for Admission

Application for admission should be made to the Dean, who will furnish printed blanks, one page of which is to be filled out by the applicant and the other by an officer of the institution at which the collegiate degree was obtained. The former gives information concerning the general preliminary education of the applicant, and the latter authoritative data concerning the instruction received in the pre-medical sciences and the modern languages.

Applicants meeting all requirements will be accepted without examination, so long as vacancies exist in the class to which admission is desired. Under no conditions will applicants be accepted who are deficient in either biology or chemistry, but in exceptional instances, those having only a single deficiency in French, in German, or in laboratory

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Chemistry.—The minimum requirement is a one year course in inorganic chemistry, including five hours of laboratory work a week throughout the year, and an elementary course in organic chemistry, including at least 25 to 30 lectures and 90 to 100 hours of laboratory work.

Physics.—A collegiate course for at least one year is required. This must include four hours a week of class-room work and at least three hours a week of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

Latin.—The candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

physics may be admitted conditionally, on the understanding that the condition must be absolved before the beginning of the second year.

As the size of each class is limited, it is attempted, in case a greater number apply, to choose ninety of the most promising applicants. The choice is made by taking into consideration the character of the college from which the applicant graduated, his standing in the pre-medical sciences and the languages, and the estimate made by one of his science teachers, in a personal letter to the Dean, as to his or her fitness to undertake the study of medicine.

Applications may be filed at any time, but, except in unusual circumstances, they will not be considered formally before July first. Notification of acceptance will be sent not later than July fifteenth.

Admission to Advanced Standing

Students from acceptable medical schools may be admitted to the second, third or fourth year classes if vacancies occur. Such applicants must furnish evidence (1) that they are eligible to the first year class without conditions of any kind; (2) that medical courses equivalent in kind and amount to those given in this school in the year or years preceding that to which admission is desired, have been satisfactorily completed; and (3) they must be prepared to pass examinations at the beginning of the session in October in all subjects already pursued by the class to which admission is sought. The applicant must have studied as a matriculated medical student for a period of time at least equal to that already spent by the class which he seeks to enter.

As graduation from an approved college or scientific school is essential for admission to this school, applicants from universities conferring a degree upon the completion of a combined course, consisting of two years of collegiate and two years of medical work, are not eligible for admission to our third year class.

Instruction for Graduates in Medicine

Beginning the first of June each year, six weeks courses, especially adapted to meet the needs of practitioners of medicine, are given in medicine, surgery and various specialties, as well as in several of the underlying medical sciences. These courses are described on page 105.

During the school year, a limited number of graduate students may be admitted to work in the several departments, in so far as they do not occupy the places or interfere with the routine work of the undergraduate students.

In every instance the arrangement for such instruction and facilities must be made directly with the head of the department concerned, but work cannot be commenced until after registration at the Dean's office.

Persons who have already received the degree of Doctor of Medicine elsewhere, will not be admitted as candidates for that degree from this University. Should further instruction be desired, they are advised to enter as graduate students.

Special Workers.—Special workers, not candidates for a degree, may be received at the discretion of the Faculty.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Medicine is conferred upon those who, after fulfilling all the requirements for admission, have completed satisfactorily a four years' course of study.

Students who have been admitted to advanced standing as well as those of our own students who have been granted permission to pursue a part of their studies elsewhere, must spend at least the final year in the Medical School of this University.

The degrees are publicly conferred at the University Commencement on the second Tuesday of June, or on Commemoration Day, February the twenty-second.

EXAMINATIONS

At the end of the fifth trimester, the records of all students in the second year class are reviewed by the Committee on Instruction and Examinations for the first two years. Students who are reported as having failed in any two of the following subjects: Anatomy (including Histology), Physiology, Physiological Chemistry, Pharmacology, Pathology, (including Bacteriology), will be required to withdraw from the school. Those who fail in one subject will be allowed to take a second examination not later than the following October. Failure in this second examination necessitates withdrawal from the school.

No student will be permitted to enter upon the work of the fourth year until he has absolved the required third year work in Gynecology, Physical Diagnosis, Clinical Microscopy and Neurology.

Final examinations for graduation will be held in Medicine, Surgery, Obstetrics and the Major Electives. The examination in Obstetrics may be absolved at the end of the third or during the fourth year. No student will be permitted to continue in the school if he fails in any two of these subjects, or if he fails a second time in Medicine or Surgery.

Students not appearing for examination on the specified dates will be required to pay a fee of $5.00 for special examination.

The estimation of the standing of each student is based upon the general character of his work, as well as upon the results of examinations.

First and Second Years

The practical examination in Microscopic Anatomy will be held at the end of the second trimester of the first year, and in

Gross Anatomy after the student has completed the dissection of the human body. The final examination in Anatomy must be taken not later than the end of the second trimester of the second year.

Final examinations in the other subjects will be given as follows:

Bacteriology: at the end of the third trimester of the first year.

Physiological Chemistry: Group A, at the end of the third trimester of the first year; Group B, at the end of the first trimester of the second year.

Physiology: at the end of the first trimester of the second year.

Pathology: at the end of the second trimester of the second year.

Pharmacology: at the end of the second trimester of the second year.

Third and Fourth Years

At the end of the third year, final examinations are held in obligatory obstetrics, gynecology, nervous diseases, clinical microscopy and surgical pathology.

At the end of the fourth year final examinations are held in medicine and surgery. In the elective courses and special branches, the examinations are held upon the completion of the work.

GENERAL PLAN OF INSTRUCTION

Each year is divided into trimesters, the first extending from October to the Christmas recess, the second from January to March 15, and the third from March 15, to the end of the academic year.

The first two years of the course are devoted mainly to the fundamental medical sciences, the larger part of the

time being spent in practical work in the laboratories. In the last two years the various clinical branches are studied in the wards of the Hospital, the dispensary, and in the clinical laboratories.

The principal studies of the first year are anatomy, histology, neurology, bacteriology, physiology, and physiological chemistry. The study of anatomy and of physiology is continued in the second year, together with general pathology, pathological anatomy and histology, pharmacology, and toxicology. During the last trimester of the second year instruction is begun in physical diagnosis and in certain surgical methods, as an introduction to the clinical work of the succeeding years.

The major portion of the work of the first two years is obligatory for all students, but the time is so arranged that certain elective courses may be selected; thereby making it possible either to give more time to the obligatory courses, or to do special work along related lines.

In these two years thirty units of work are required—the unit being a course or group of courses of instruction equivalent to five hours a week for one trimester. Consequently it is necessary for the students to take five units of obligatory and elective work during each trimester, in order to complete in two years the requirements for entrance upon the clinical studies. The system, however, permits him to spend an additional trimester or longer in the preparatory work, should it proves necessary or desirable.

As the third and fourth years are devoted to practical medicine, they can not be taken up until the student has obtained credit for the prescribed minimum of work in the underlying sciences.

The work of the third year is largely obligatory. The student attends the clinics and dispensary exercises in medicine and surgery, and completes the required work in obstetrics, gynecology, and nervous diseases.

For the morning work the class is divided into four groups.

From 9 to 10 a. m. each group receives instruction in obstetrics, gynecology or surgery, and from ten o'clock to noon the time is devoted to practical work in the medical, surgical and nervous departments of the Dispensary. From 12 noon to 1 p. m. the entire class attends the amphitheatre clinics in medicine or surgery. The afternoons are devoted mainly to laboratory work in clinical microscopy and surgical pathology. Instruction is also given in practical therapeutics and pharmacy, thus completing the pharmacological work of the previous year. Moreover, short propadeutical courses are given to familiarize the student with the use of the ophthalmoscope and laryngoscope. On certain afternoons there are also offered a number of short elective courses of a practical character, and each student is required to select from them a sufficient amount of work to give him a credit of one and a half units.

The work of the fourth year is partly elective. For this purpose the class is divided into three groups, each working in rotation for one trimester in medicine, surgery, and in certain elective subjects.

Each student must complete 18 units of work during the year—the unit being a course or group of courses occupying six hours a week for one trimester. Twelve units are obligatory, and include six units in medicine (including pediatrics) three units in surgery, one unit in ophthalmology, one unit which may be selected from laryngology, dermatology, genito-urinary surgery, orthopedics or neurology; while another unit is based upon attendance upon a weekly amphitheatre clinic in medicine, and upon a group of lectures upon medical zoölogy, psychiatry, hygiene, medical jurisprudence and medical ethics.

The obligatory work in medicine, which includes a part of the required work in pediatrics, requires, at least, six hours of work a day for one trimester. The members of this group act as clinical clerks in the medical wards of the hospital, a certain number of beds being assigned to each

student. They take the histories of the patients and make the necessary examinations and notes under the guidance and direction of the resident staff.

They accompany the physician-in-chief or some member of the senior staff in the daily ward-rounds, and receive special bedside and laboratory instruction.

In the surgical trimester, the student gives three hours a day to attendance upon ward-rounds, operations, and to work in the surgical laboratories. The members of this group act as surgical dressers in the wards. They make the morning visits with the surgeon-in-chief or a member of the senior staff, and have daily opportunities to become familiar with the diagnosis, management and progress of surgical cases. They are also given an opportunity to take an elective course in operative surgery upon animals.

The elective work is arranged in major, minor and fractional courses. The former occupy 3 or 2½ hours a day throughout one trimester, according as the classes are in the morning or afternoon, and count as 3 or 2½ units respectively. In the minor courses, which count as one unit, one hour a day, or two hours every alternate day, throughout one trimester, are devoted to the subject; while several fractional courses may be combined to make one unit. Students choosing such courses must register at the Dean's office and will be expected to complete them satisfactorily and to submit to an examination at their close. In fractional courses, which count as less than one-half of a unit, examinations will not be held, and regular attendance, properly certified by the instructor, will entitle the student to the allotted credit.

After having once been chosen, elective courses must be followed to the end of the trimester. These courses may continue the practical work in medicine, surgery, obstetrics, gynecology, etc., or may bear upon the various specialties, or may be taken in the laboratories of the underlying medical sciences.

To summarize, the time of each fourth-year student is apportioned as follows: trimester A, practical work in medicine during the entire day; trimester B, practical work in surgery during the morning, and in the afternoons short courses in ophthalmology, and in one of the special branches of medicine; trimester C, six units of elective work. In other words, each student after completing certain minimal requirements, chiefly in medicine and surgery, may extend his knowledge by taking a number of short clinical courses in various branches, or he may concentrate his attention upon the work of a few departments.

CLINICAL OPPORTUNITIES

Satisfactory clinical facilities for ninety students in each class are afforded by the Johns Hopkins Hospital and Dispensary, which occupies a site of fourteen acres immediately adjoining the grounds of the Medical School.

The Hospital is governed by its own Board of Trustees and has an endowment independent of that of the University and its Medical School, but the relations between the two institutions are most intimate; as the will of their Founder directed that the Hospital should be a part of the Medical School of the University. The superintendent of the Hospital and the heads of its main departments are members of the Medical Faculty; while the incumbents of the chief clinical chairs of the University are also members of the Medical Board of the Hospital. This interlocking arrangement has resulted in the greatest possible utilization of the patients of the Hospital for the instruction of the third and fourth year students of the Medical School.

The Hospital is unusually well equipped and contains 600 beds, while its Dispensary is visited each day by more than 300 patients. In addition to the large administration building and the Marburg ward for private patients, the Hospital

is made up of a group of buildings containing five large wards for white patients suffering from medical, surgical and gynecological diseases, a separate building for colored patients, an isolation and an obstetrical ward. Facilities for instruction in pediatrics, psychiatry and genito-urinary diseases are afforded by the Harriet Lane Home for Invalid Children, the Henry Phipps Psychiatric Clinic and the James Buchanan Brady Urological Institute. These three buildings are upon the Hospital grounds, and, while maintained by separate foundations, are conducted as integral parts of the Johns Hopkins Hospital.

In addition to the necessary buildings for the nurses' home, kitchen, laundry, etc., the following buildings also occupy the Hospital lot:—the Pathological and Clinical Laboratories, the general Dispensary, the Phipps' Dispensary for Tuberculosis, and the Surgical building. This latter contains not only the surgical operating rooms and amphitheatre, but also class rooms for instruction in Medicine, as well as the laboratory for surgical pathology and the laboratories of the medical clinic.

Through the courtesy of the Supervisors of City Charities of Baltimore, the Johns Hopkins University has the privilege of utilizing for clinical instruction the patients in the various departments of the City Hospitals at Bay View. During the first trimester practical instruction in mental diseases is given to the fourth-year class; during the third trimester the wards of the general and tubercular hospitals are utilized for the instruction of the third-year students in medicine, surgery and pathology; and throughout the year elective courses in medicine are available to fourth-year students.

GENERAL INFORMATION

REGISTRATION

Students will not be admitted to the undergraduate courses until they have registered at the Dean's office and paid their fees for the first trimester.

Graduate students, after receiving permission from the Heads of Departments to enter any course under their supervision, must register at the Dean's office before beginning work. Upon payment of the requisite fee, a card will be issued stating the courses which the holder is entitled to take. This card must be presented to the instructor in charge of each course, in order that its holder may be recognized and receive due credit for his work.

CHARGES FOR TUITION

The charge for tuition is two hundred and forty dollars per annum, payable in three installments, October, January and March 15. There are no extra charges, except for rental of microscope, laboratory breakage and certain expensive supplies. A deposit of ten dollars is required from each student at the time of enrollment. This caution money is repaid when the student leaves, if there are no charges against it.

Bills may be paid at the Dean's office, or at the office of the Treasurer of the University, on North Howard Street.

MICROSCOPES

The character of the work throughout the entire course requires the constant use of the microscope. Every student is recommended to purchase one, but those who do not care to

do so may obtain one from the school upon the payment of a yearly rental of five dollars, with an additional charge of two dollars if an oil immersion lens is desired. A microscope thus given into the charge of a student must be returned in good condition at the end of the year.

A yearly charge of one dollar is made for the rental of a dissecting microscope.

Microscopes are not provided in the graduate courses, but may be rented from the Registrar at the rates just stated. A deposit of $10.00 is required, which will be refunded if the microscope is returned uninjured.

SCHOLARSHIPS

Hopkins Scholarships

Six Hopkins Scholarships are open annually to students from Maryland, North Carolina and Virginia. These scholarships give free tuition for one year and are granted to deserving students who have shown marked aptitude in their work. Three are given to fourth-year students, two to third-year students and one to a second-year student. Applications should be addressed to the Dean of the Medical School not later than May first, in accordance with a prescribed form.

The Joseph Kernochan Garr Scholarship

Through the kindness of Mrs. Henry Lee Smith, of Baltimore, the Medical Faculty is enabled to offer a scholarship amounting to $100 a year to aid a deserving student. The scholarship is known as "The Joseph Kernochan Garr Scholarship." Applications should be addressed to the Dean on May first of each year.

HOSPITAL APPOINTMENTS

At the close of the academic year in June, sixteen or more unmarried members of the graduating class are recommended to the Trustees of the Johns Hopkins Hospital for appointment as Resident House Officers, to serve for one year from the following first of September.

The selection is made as follows: (1) Not later than December 15 of each year a notice is sent to the unmarried members of the graduating class giving the number of house officers to be appointed in each service for the following year, and requesting those desiring such posts to make application in writing to the Dean not later than January 1, stating what service is preferred. A second or third choice may be indicated if desired. The applications will be considered at a special meeting of the Faculty to be held prior to January 15.

(2) The applicants for each service will be selected according to their standing, based upon the work of the first three years, although the Faculty reserves the right to take into consideration the personal fitness of the applicants.

Should the necessary number of house officers not be obtained from the first third of the class, the remainder may be selected without regard to their standing.

One or more places on each staff may be awarded, if so desired by the head of the department, to graduates from other schools or to earlier graduates of the Johns Hopkins Medical School. After confirmation by the Trustees of the Johns Hopkins Hospital, such appointees assume their duties on September 1.

The appointments of the resident physician, surgeon, gynecologist and obstetrician, etc., of the Johns Hopkins Hospital are permanent. The various resident assistantships under these are annual appointments, subject to renewal.

MEDICAL SUPERVISION OVER STUDENTS

The University appoints and pays an official medical adviser to the students of the Medical Department. This officer has a definite hour for consultation, and, when requested, is expected to visit in their own homes such students who are too ill to come to him, and to obtain for them the services of specialists when necessary.

Dr. Paul W. Clough, the Resident Physician to the Hospital, holds this position for the current academic year.

In order to guard more carefully the health of the students, the Medical Faculty decided in 1909, that all entering students should undergo a medical examination. During the month of October each student is directed to report to one of a group of physicians selected for this purpose, when a careful physical examination is made and the results are recorded and placed on file. If unsatisfactory conditions are discovered the student is given appropriate advice.

A competent physician is also appointed to supervise the hygienic conditions of all boarding houses which advertise through the office for the patronage of students. A list of such houses as satisfy his requirements is posted in the office of the Medical School.

LIBRARIES

The University Library contains 181,300 volumes, selected with especial reference to the instruction here given. It is arranged in several collections.

The works relating to medicine are placed in special libraries in the Hospital and in the Medical School, and are readily accessible to students and to the workers in the laboratories. The leading medical periodicals of the world are

regularly received and complete sets of the more important journals are on the shelves.

The library of the Medical and Chirurgical Faculty of Maryland, 1211 Cathedral Street, contains 30,000 volumes, and is conducted in affiliation with the library of the Medical School. Other libraries of Baltimore are the Peabody, the Enoch Pratt, and the New Mercantile, with 211,000, 313,000 and 89,000 volumes respectively. With the exception of the last-named, these libraries are open to students of the Medical School without charge.

Washington is so near that its libraries and museums may be easily utilized. Among the chief institutions of interest to students are: The Smithsonian Institution and National Museum, the Library of Congress, the Library of the Surgeon-General's office, and the Libraries of the various Departments and Bureaus.

MEDICAL SOCIETIES

The Hospital Medical Society, the Laennec Society and the Historical Club meet at the Hospital regularly throughout the academic year. These, as well as the regular meetings of the Baltimore City Medical Society, held in the Medical and Chirurgical Building, are open to students.

PUBLICATIONS

The Bulletin of the Johns Hopkins Hospital, issued monthly, contains articles by those connected with the Medical School and Hospital and the proceedings of the Hospital Societies. The Johns Hopkins Hospital Reports contain the larger monographs and results of researches in the Hospital and the laboratories of the Medical School.

DEPARTMENTS OF INSTRUCTION AND ANNOUNCEMENT OF COURSES

DEPARTMENTS OF INSTRUCTION

The following statements are designed to exhibit the opportunities and the character of the instruction and practical work in each department.

ANATOMY

Franklin P. Mall, M. D., Professor of Anatomy.
Warren H. Lewis, M. D., Professor of Physiological Anatomy.
Florence R. Sabin, M. D., Associate Professor of Anatomy.
Herbert M. Evans, M. D., Associate Professor of Anatomy.
Charles R. Essick, M. D., Associate in Anatomy.
Edmund V. Cowdry, Ph. D., Associate in Anatomy.
Lewis H. Weed, M. D., Intructor in Anatomy.
Paul G. Shipley, M. D., Instructor in Anatomy.
Charles C. Macklin, Assistant in Anatomy.
Harry R. Muller, M. D., Assistant in Anatomy.

Courses of instruction are provided in various anatomical sciences—embryology, histology, microscopic anatomy, neurology and gross human anatomy—and opportunities are afforded for advanced work and investigation in these sciences.

The required courses (I, II, III and IV) for candidates for the degree of Doctor of Medicine may be completed during the first year of the medical course.

Students who have completed the required courses in anatomy may elect any of the courses in this department.

Physicians and students not candidates for a medical degree may be admitted to any of the courses by special arrangements with the instructors and may undertake advanced work and original research.

Required Courses

I. Systematic Course in the Anatomy of the Human Body. Professor Lewis, Dr. Essick, Dr. Weed and Dr. Muller. Autumn trimester, daily, 9-12.

II. Systematic Course in the Anatomy of the Human Body. Continuation of Course I. Professor Lewis, Dr. Essick, Dr. Weed and Dr. Muller. Winter trimester, daily, 9-12.

In courses I and II the student makes a complete dissection of all the structures, using atlases and text-books as guides. The work of each student is largely independent.

III. Histology (laboratory). Professor Mall, Professor Sabin, Dr. Cowdry, Dr. Shipley and Dr. Macklin. Monday, Wednesday and Friday, 2-5. Lectures, Professor Sabin and Dr. Cowdry, Thursday, 2-3. Autumn trimester.

IV. Histology and Organology (laboratory). Professors Mall and Sabin, Drs. Cowdry, Shipley and Macklin, Monday and Wednesday, 2-5. Lectures, Professor Sabin and Dr. Cowdry. Tuesday, 2-3. Winter trimester.

Elective Courses

V. Physiological Anatomy. Professor Lewis. Autumn and Winter trimesters. Tuesday, 12-1.

VI. Study-Room Course in Anatomy. Professor Lewis. Autumn trimester, daily, 9-12.

VII. Topographical Anatomy. Dr. Essick. Winter trimester, daily, 9-12.

VIII. Anatomy of the Infant. Winter trimester, daily, 9-12.

IX. Blood. Dr. Shipley. Winter trimester.

X. Cytology. Dr. Cowdry. Original investigation. Autumn, Winter and Spring trimesters.

XI. Embryology. Original Investigation. Autumn, Winter and Spring trimesters. Professor Evans.

XII. Advanced Human Embryology. Professor Mall. Autumn, Winter and Spring trimesters.

XIII. Advanced Neurology. Professor Sabin. Spring trimesters, forenoons.

XIV. Structure and Development of the Vascular System. Spring trimester. Professor Evans.

XV. Original Investigation. Autumn, Winter and Spring trimesters, daily.

Graduate Work

Gross Anatomy. Professor Lewis. Fall, Winter and Spring trimesters. Hours arranged with the instructor.

Dissection, study of prepared specimens and of frozen sections. Fee $25.00.

PHYSIOLOGY

William H. Howell, M. D., Professor of Physiology.
Donald R. Hooker, M. D., Associate Professor of Physiology.
Charles D. Snyder, Ph. D., Associate Professor of Physiology.
....., Assistant in Physiology.

The course in physiology extends from January of the first year to January of the second year.

The work consists of a systematic course of lectures covering the subject of animal physiology, experimental work in the laboratory, demonstrations and recitations. Recitations are held upon the subject-matter covered by the lectures and laboratory work.

The course as arranged for 1914-1915 is as follows:

I. Physiology of Secretion, Digestion and Nutrition—1914. Dr. Howell, twice weekly from October to January. Second year class.

II. Laboratory Courses in Experimental Physiology. Drs. Howell, Hooker, and Snyder. Two mornings and two afternoons weekly during the first and the third trimesters. Half of the class takes this course in the third trimester of the first year, and the other half during the first trimester of the second year. This laboratory course is arranged to occupy twelve hours a week for about twelve weeks.

III. Physiology of Muscle and Nerve, Central Nervous System, and Special Senses—1915. Dr. Howell and Dr. Snyder, three times weekly during the second trimester. First year class.

IV. Physiology of Blood, Circulation and Respiration—1915. Dr. Hooker. Lectures and Demonstrations. Twice weekly during the third trimester. First year class.

In addition to the foregoing exercises, students are given opportunities to participate in the more advanced courses, intended primarily as graduate work. These courses are as follows:

V. Journal Club. One hour weekly during the year. Those who participate in the work of this course are expected to report from time to time upon papers of physiological interest that may appear in current journals.

VI. Physiological Seminary. One hour weekly during the year. The object of the Seminary work is to study carefully, by means of lectures or readings, some special part of physiology, the topics chosen varying each year.

VII. Advanced Laboratory Course. This course is not limited as to time or amount of work except that assistance from the professor of physiology must be arranged for by definite engagements. The instruction is given individually and may involve undertaking a definite investigation.

For Graduate Students and Physicians

Physiology, *Elementary.* (Limited to four). Laboratory course in experimental physiology during either the first or third trimester.

The work will consist in exercises in the various graphic methods used in physiology to study the properties of muscle and nerve and the circulatory and the respiratory organs. Fee $25.00. Apply to Professor W. H. Howell.

Physiology, *Advanced.* (Limited to two). January to June 1. Professor W. H. Howell.

Individual instruction will be given in the methods used in physiological demonstrations and research. Especial attention will be paid to the methods employed in the study of the circulation. Fee $50.00.

PHYSIOLOGICAL CHEMISTRY

WALTER JONES, Ph. D., Professor of Physiological Chemistry.
D. WRIGHT WILSON, Ph. D., Assistant in Physiological Chemistry.

Instruction in this branch is given by laboratory work, lectures, demonstrations, and conferences of a less formal character. The work in the laboratory is conducted in two sections which meet in the third trimester of the first year, and in the first trimester of the second year respectively. The exercises are conducted on Tuesdays and Thursdays, from 10 to 1 in the morning, and from 2 to 5 in the afternoon.

I. LABORATORY WORK. Professor Jones and Dr. Wilson.

(*a*) A short preliminary course on the chemistry of various substances, such as proteids, which are usually not familiar to the student of pure chemistry but which should be understood in order that he may intelligently execute the work that follows.

(*b*) A course of qualitative analysis in which some examination is made of nearly every tissue and fluid of the body. Blood, liver, milk (colostrum), muscle, gastric juice, adipose tissue, bone and bile receive special attention, and whenever material is available a study is made of pathological fluids and concretions. The order adopted in the consideration of the chemical topography of the body is such as to emphasize as far as possible, the chemical processes which are going on in the body.

(*c*) A study of those physiological chemical processes that can be closely imitated outside the body, as the action of enzymes, salivary, pancreatic, and gastric digestion.

(*d*) Class experiments. Demonstrations by the instructor in which the entire class usually takes part.

(*e*) Quantitative analysis. Determination of normal and pathological constituents of urine; analysis of milk, gastric juice, stomach-washing, air, water, and foods. An attempt is made here to familiarize the student with the chemical technique required for metabolism experiments.

(*f*) Examination of the fæces with special references to putrefactive processes.

II. Conferences. Professor Jones. Informal conferences are held at which the laboratory work is discussed and the progress and needs of the students are considered. Here also the recent literature that bears directly on the work is reviewed.

III. Lectures. Professor Jones. A brief survey of the entire province of physiological chemistry. Emphasis is given to that part of the subject which for obvious reasons must be omitted from a laboratory course.

Graduate Work

Physiological Chemistry, *Elementary.* March 15 to June 1, every afternoon. Professor Jones.

A limited number of physicians or others who have had the requisite preliminary training in chemistry will be received for the laboratory course and lectures given to the medical students. Fee $25.00.

Physiological Chemistry, *Advanced.* Professor Jones.

Those who have the necessary preliminary training and who desire to do work of a special character will be received at any time during the academic year. Fee $50.00, for the year.

PHARMACOLOGY, EXPERIMENTAL THERAPEUTICS, TOXICOLOGY AND PHARMACY

John J. Abel, M. D., Professor of Pharmacology.
Eli K. Marshall, Jr., Ph. D., Associate in Pharmacology.
Benjamin B. Turner, Ph. D., Associate in Pharmacology.
Charles A. Rouiller, Ph. D., Assistant in Pharmacology.
Alice Rohdé, M. D., Assistant in Pharmacology.
David I. Macht, M. D., Lecture Assistant.
Charles Caspari, Jr., Lecturer in Pharmacy.

I. Pharmacology. An elective course in this subject occupying one afternoon a week is offered in the second trimester of the second year. The physiological action of a selected list of drugs and poisons is made the subject of this course and the afternoon's work, performed by the student under the immediate supervision of the instructor, is preceded by brief statements of the significance and bearing of the experiment in hand. The aim of this course is to give a clear idea of the general principles and of the more important phenomena involved in the study of pharmacology.

A course of lectures with demonstrations and recitations covering the subject of pharmacology is given during the first and second trimesters. In the first trimester the course is given from 10 to 11 a. m., two days of the week, and in the second trimester from 12 to 1, three days of the week. It is the purpose of this course to treat the subject in a manner adapted to the needs of the medical student. As this course requires much outside reading it will be estimated at one and two-fifth units.

In the third trimester a course of lectures and demonstrations is given once a week on prescription writing and the dosage of the more important pharmacopœial preparations.

Experimental therapeutics is carried on as part of the research work of the department.

II. Toxicology. An elective laboratory course in this subject is offered in the second trimester. This course occupies one afternoon a week during the trimester and deals

with the subjects both from the chemical and medical points of view.

III. Pharmacy. Pharmacy is treated by Professor Charles Caspari, Jr., in a course of demonstrations and lectures, once weekly for three months. Weights and measures, incompatibles, special points relating to prescriptions and the official pharmacopœial preparations are fully dealt with. The more important preparations are made before the class.

IV. Practical Course in Pharmacy. An elective course designed especially for students of the third year, is given by Professor Caspari and his assistant, on Mondays at 4 p. m. during the first trimester. All typical pharmacopœial preparations are made and typical prescriptions are compounded by each student. One-half unit.

Graduate Work

Pharmacology and Experimental Therapeutics, *Advanced.* Professor J. J. Abel and members of the staff.

Those who have had the necessary preliminary training and who desire to do work of a special character may be received at any time during the academic year.

PATHOLOGY, BACTERIOLOGY AND HYGIENE

William H. Welch, M. D., Professor of Pathology.
William W. Ford, M. D., Associate Professor of Hygiene and Bacteriology.
Milton C. Winternitz, M. D., Associate Professor of Pathology.
Lloyd P. Shippen, M. D., Instructor in Hygiene and Bacteriology.
Ernest W. Goodpasture, M. D., Instructor in Pathology.
Holland N. Stevenson, M. D., Instructor in Pathology.
Charles A. Laubach, Assistant in Hygiene and Bacteriology.
Harry C. Schmeisser, M. D., } Assistants in Pathology.
Thornton Stearns, M. D., }

General pathology, special pathological anatomy and histology, and bacteriology are taught by laboratory work,

demonstrations, recitations and lectures. The courses in pathology come in the first and second trimesters of the second year; those in bacteriology in the third trimester of the first year.

I. The Conduct of Autopsies. Dr. Winternitz and Staff. The autopsies are made in the Pathological building and are witnessed by the students of the second, third and fourth years. Students are permitted to assist at post-mortem examinations and are instructed in the methods of making such examinations and of recording the results in proper protocols.

II. Demonstrations in Gross Morbid Anatomy. Dr. Winternitz and Staff, 12-1, twice a week in two divisions during the 1st and 3rd trimester, and three times a week in three divisions during the 2nd trimester. The gross morbid specimens, collected during the week, are demonstrated to students of the second year. In addition, fresh and museum specimens are exhibited in the course in pathological histology to illustrate the macroscopical appearances of the morbid conditions studied by the microscope.

III. Bacteriology. Professor Welch, Professor Ford and Dr. Shippen, third trimester (March 15 to June 1), Monday, Wednesday and Friday mornings, first year class. This is a practical laboratory course in which the students become familiar with the preparation of culture media, the principles of sterilization and disinfection, the methods of cultivating, staining, and studying bacteria, the biological examination of air, water, and soil, and the important species of pathogenic micro-organisms. The hygienic as well as the pathological relations of bacteriology are considered.

IV. Lectures on Infection and Immunity. Professor Welch, Wednesdays, and Fridays, 4 to 5, third trimester, first year class. During the course in bacteriology lectures are given devoted mainly to the consideration of subjects pertaining to infection and immunity.

V. General Pathology, Pathological Anatomy and

Pathological Histology. Professor Welch, Professor Winternitz and Drs. Goodpasture, Schmeisser and Stevenson. Monday, Wednesday and Friday afternoons, 2 to 5, during the first and second trimesters, second year class. The subjects are covered, as far as practicable, by demonstrations, lectures and laboratory work. Pathological histology is taught as a part of pathological anatomy, the description and demonstration of gross lesions being followed by their microscopical examination.

VI. Recitations. Professor Welch, Mondays at 12, throughout the year. Weekly recitations cover the work done by the students of the first and of the second years in their laboratory exercises, in bacteriology and in pathology, as well as subjects treated in lectures and those reserved more especially for text-book study.

VII. Clinical and Pathological Conference. Wednesday at 12 m. throughout the year. (See Department of Medicine, page 80.)

VIII. Advanced Work and Special Research. Opportunity is afforded to those suitably trained to pursue advanced work and special research in pathological anatomy and histology, experimental pathology, and bacteriology. For these purposes the pathological laboratory is equipped with the necessary apparatus and material.

Experimental Pathology

The division of experimental pathology has been established, on the basis of courses already given, for the purpose of giving instruction concerning the abnormal activities of organs which result from pathological lesions.

This work is largely experimental and obviously closely allied to experimental medicine and physiology. The course will consist of informal lectures, experiments, operations and demonstrations given during the second trimester on Thursdays, 9-12 a. m.

The main object of the course is to give students elementary training in the *methods of research*: not to give a fixed series of demonstrations dealing with any one organ or system. The exercises will be concerned chiefly with the problems which are interesting the workers at the Hunterian Laboratory so that the entire group may be familiar with all the problems under investigation. For this reason it is desired that the students taking this course may proceed with independent investigation of problems which are closely related to the work already in progress. Facilities for this work will be available during the entire year. Room is available for a limited number of advanced workers who may desire to investigate problems in experimental pathology.

Hygiene

The instruction consists of:

1. Didactic lectures given to the students of the third year during the third trimester. These lectures are designed to cover the principal facts in the epidemiology of the infectious diseases, and the measures which may be adopted to prevent their spread.

The water-borne diseases, such as Asiatic cholera and typhoid fever, the insect-borne diseases, such as malaria, yellow fever, and typhus fever, the social diseases, such as tuberculosis and syphilis, and the exanthemata of childhood are considered in detail.

Special lectures are also devoted to vital statistics, climate, soil, ventilation, sewerage, disposal, water supplies, sand filtration, and milk control.

2. Practical Hygiene.

A laboratory course in the chemical and bacteriological analysis of water, milk, sewage, and disinfectants with instruction in the use of instruments of precision is given during the first or second trimester to any students who have completed their work in bacteriology. Weekly inspections

are made of Public Health Institutions in Baltimore and Washington—such as the Baltimore Sewage Disposal Plant; The Washington Filtration Plant; The Walker-Gordon Dairy Farm; the Hygienic Laboratory of the Public Health and Marine Hospital Service; and the Laboratories of the Maryland and Baltimore Departments of Health.

3. Special Investigation. A limited number of students are taken into the laboratory for advanced work in Hygiene and Bacteriology. They are given special problems to work out independently or in connection with the instructors in the department. Special facilities will be afforded medical graduates who desire to train themselves in Public Health work.

Graduate Work

Pathology. A limited number of physicians will be received during the year in the courses in bacteriology and pathology. Fee for the year $50.00, for half year $25.00. Apply to Professor Welch.

Hygiene. A limited number of graduates are admitted to the laboratory course in Hygiene. Fee $50.00. Apply to Professor Ford.

MEDICINE

(Including Work in the Clinical Laboratories)

Theodore C. Janeway, M. D., Professor of Medicine.
Herman O. Mosenthal, M. D., Associate Professor of Medicine.
Leonard G. Rowntree, M. D., Associate Professor of Medicine.
Paul W. Clough, M. D., Associate in Medicine.
Clyde G. Guthrie, M. D., Associate in Medicine.
Charles R. Austrian, M. D., Associate in Medicine.
D. Sclater Lewis, M. D., Instructor in Medicine.
Walter A. Baetjer, M. D., Instructor in Medicine.
Thomas P. Sprunt, M. D., Instructor in Medicine.
Eveleth W. Bridgman, M. D., Assistant in Medicine.
Arthur L. Bloomfield, M. D., Assistant in Medicine.

George Minot, M. D., Assistant in Medicine.
Robert L. Levy, M. D., Assistant in Medicine.
David C. Streett, M. D., Assistant in Medicine.
Norman M. Keith, M. D., Assistant in Medicine.
Annabella E. Richards, Ph. D., Chemical Assistant in Medicine.

Lewellys F. Barker, M. D., Professor of Clinical Medicine.
William S. Thayer, M. D., Professor of Clinical Medicine.
Thomas B. Futcher, M. D., Associate Professor of Clinical Medicine.
Thomas R. Boggs, M. D., Associate Professor of Clinical Medicine.
Frank R. Smith, M. D., Associate in Clinical Medicine.
Thomas R. Brown, M. D., Associate in Clinical Medicine.
John A. Luetscher, M. D., Associate in Clinical Medicine.
Louis V. Hamman, M. D., Associate in Clinical Medicine.
Louis P. Hamburger, M. D., Associate in Clinical Medicine.
J. Hall Pleasants, M. D., Instructor in Clinical Medicine.
J. Albert Chatard, M. D., Instructor in Clinical Medicine.
Samuel Wolman, M. D., Instructor in Clinical Medicine.
Henry L. Smith, M. D., Instructor in Clinical Medicine.
Charles W. Larned, M. D., Instructor in Clinical Medicine.
John H. King, M. D., Instructor in Clinical Medicine.
David I. Macht, M. D., Instructor in Clinical Medicine.
Robert W. B. Mayo, M. D., Instructor in Clinical Medicine.
Eugene J. Leopold, M. D., Assistant in Clinical Medicine.
Martin F. Sloan, M. D., Assistant in Clinical Medicine.
Sydney R. Miller, M. D., Assistant in Clinical Medicine.

The teaching is in the dispensary, in the clinical laboratories, in the wards, and in the clinical amphitheatre. In place of systematic didactic teaching there has been introduced a plan of practical instruction, by which the student is brought directly in contact with the patients and taught from the outset how to recognize and treat disease as it occurs in nature, not in books.

A. *Primarily for Students of the Third Trimester of the Second Year.*

1. Introductory Medical Clinic. A weekly clinic is held by Professor Janeway at which cases illustrating important groups of diseases or showing striking symptoms are

presented and discussed from the standpoint of the student's knowledge of physiology and general pathology.

2. Elementary Physical Diagnosis. Associate Professor Futcher, with the assistance of Drs. Austrian, Hamman, Hamburger, Wolman, Chatard, Pleasants, Miller, W. A. Baetjer, and Bridgman.

3. Introductory Lecture Courses.

a. *Applications of Pharmacology to Internal Medicine.* Associate Professor Rowntree. One lecture weekly.

b. *Applications of Chemistry to Internal Medicine.* Associate Professor Mosenthal. Five lectures.

c. *Applications of Biology to Internal Medicine.* Dr. Clough. Five lectures.

B. *Primarily for Students of the Third Year.*

4. Practical Clinical Instruction. In sections, Mondays, Wednesdays, Thursdays, and Saturdays from 10 to 12. Associate Professor Futcher, with the assistance of Drs. Austrian, Hamman, Hamburger, Wolman, Chatard, Pleasants, Miller, W. A. Baetjer, Bridgman, and Macht.

a. *Physical Diagnosis.* Practical and demonstrative exercises in the physical diagnosis of diseases of the chest and abdomen. Two hours once a week for the first two trimesters. For these exercises each section is divided into small groups.

b. *General Medical Diagnosis.* Each quarter of the class is assigned to the medical dispensary one day a week from 10 to 12 during the first two trimesters. Each patient coming to the dispensary is assigned to a student, who takes the history, makes the physical examination, and reports to one of the instructors, who reviews his work.

5. Clinical Instruction at Bay View. During the third trimester the third year students spend two mornings a week at the City Hospital, Bay View, under the direction of Associate Professor Boggs and his assistants.

6. Laboratory Diagnosis.

Dr. W. A. Baetjer, assisted by Dr. Sprunt, conducts, during the first and second trimesters, a course in microscopical and chemical diagnosis. For this work, three lectures and two afternoons a week in the laboratory are required. The course is a systematic one in which the students are trained in the clinical methods of examining sputum, gastric contents, urine, fæces, and blood, utilizing the materials obtained from the wards for the practical work.

Under the subjects of blood and fæces particularly, attention is given to the diagnosis of the various parasitic infections, important clinically, with a consideration of the parasites and carriers concerned, as an introduction to Tropical Medicine.

Considerable practical work is required outside of the regular class hours.

Two of the large rooms of the clinical laboratory are devoted exclusively to the third year students. Each student has his own place in the laboratory, with locker, microscope, reagents, etc.

7. Advanced Work in Laboratory Diagnosis. Drs. W. A. Baetjer and Sprunt.

An elective course in the first half of the third trimester, requiring two afternoons weekly. The subjects taken up in this course include some of the more advanced methods of clinical examination, such as the practical study of renal function, Widal and Wasserman tests, examination of the serous fluids, group tests for blood transfusion, etc.

8. Therapeutics. Associate Professor Rowntree. Practical demonstrations of the various therapeutic procedures, such as bleeding, aspiration, and paracentesis, the simpler hydrotherapeutic procedures, etc. The general care of patients in the treatment of special diseases is considered; dietetic treatment and the preparation of the simpler foods are described. The various groups of drugs are studied from the standpoint of their indications and the methods of their

use in the treatment of disease, and the students observe their effects as employed in the regular treatment of the patients in the medical wards of the hospital.

9. Recitations.

a. *On General Medicine.* A weekly recitation is held on assigned subjects by Associate Professor Mosenthal or Dr. Clough.

b. *On Physical Diagnosis.* Associate Professor Futcher.

10. Clinics.

a. *Weekly Clinics* are held by Professor Janeway, Associate Professor Mosenthal, and Professor Thayer at 12 on Monday, Wednesday, and Thursday, at the close of the practical clinical instruction in the dispensary. All the students of the third year class meet in the medical amphitheatre or the large classroom of the dispensary. The students present in rotation selected cases which they have examined, and these are discussed in full before the class. These cases are subsequently followed by the students, either in the wards of the hospital or in their homes, and their progress reported from time to time. On the last class day of each month a clinical "round-up" is held, when the student, whose turn it happens to be, reports on the work of the month. The students are also required to present short papers on questions which come up in the course of the examination of patients.

b. *The Saturday Clinic.* On Saturdays at noon the third year students meet with those of the fourth year for a general clinic in the medical amphitheatre of the hospital. Professor Janeway, first and second trimesters; Professor Barker, third trimester.

11. Summer Work in the Dispensary. After the completion of the second and third years, the students have an opportunity to assist in the dispensary during the summer months. Associate Professor Futcher.

C. *Primarily for Students of the Fourth Year.*

The students are divided into three equal groups, each group serving for one trimester, successively, in the medical, surgical, and elective divisions of the hospital.

12. Ward Work. The members of each medical group serve for a trimester as clinical clerks in the medical wards of the hospital, to which they have access from 8 a. m. to 5 p. m. A number of beds are assigned to each student, who makes the necessary examinations under the guidance and direction of the medical staff. The clinical clerks also accompany the professors in the ward visits, read the histories of new cases, are questioned as to the results of their examinations, and receive special instruction.

A large room of the clinical laboratory is devoted exclusively to the fourth year class. Here each student has a place with a microscope, reagents, etc., throughout the session, and can engage in any special work.

In addition to the ordinary routine work, each student is encouraged to make studies with some especial method and to make a report of his experiences with it.

13. Ward Classes. Every morning, at 9, a ward visit is made by the Professor, one of the Associate Professors or Clinical Professors, or the Resident Physician. The members of the class are taught the methods of examination, the progress of the cases is followed, and instruction is given in the methods of treatment.

14. The Saturday Clinic. At 12 o'clock on Saturday, the fourth year students attend a general medical clinic in the amphitheatre. The clinical clerks read the histories of the new cases brought before the class, and report on the progress of cases previously shown. Professor Janeway, first and second trimesters; Professor Barker, third trimester.

15. Advanced Medical Clinic. At 12 o'clock on Tuesday during the first and second trimesters, Professor Barker

will give clinical lectures in the amphitheatre on selected topics.

16. Clinical and Pathological Conference. At 12 o'clock on Wednesday, a clinical and pathological conference is held throughout the academic year in the pathological laboratory. Abstracts of the histories of the fatal cases, with the differential diagnosis made before the autopsy, are read. The specimens from the autopsy are then demonstrated, after which there is a general discussion of the case. Professor Janeway, first and second trimesters; Professor Thayer, third trimester; with Associate Professor Winternitz.

17. Disorders of Metabolism. Elective course. Associate Professor Mosenthal. The course will deal with the diagnosis and treatment of the diseases commonly grouped under the head of metabolic disorders.

18. Special Methods of Investigating Renal Function. Elective course. Associate Professor Rowntree.

19. Nature of Infection and Immunity. Elective course. Lectures and demonstrations, two hours per week for one trimester. Dr. Austrian.

20. Special Methods of Investigation of Infectious Diseases. Elective course. (Physicians and students of the third and fourth years.) Laboratory exercises. Two afternoons per week, one trimester. Dr. Clough.

21. Medical Bacteriology. Elective course. Dr. Bloomfield. This elective course is open to a limited number of members of the medical section, each trimester. A lecture and demonstration will be given once a week, 2 to 3 p. m., Tuesday. At suitable times during the week opportunity will be given to a small number to do under supervision the bacteriology of the wards. In this way practical work is afforded in blood cultures, agglutinative and other serum tests, cultures from throats, sputum, urine, stools, pleural and pericardial effusions, fluids from the peritoneal cavity and joints, and cerebrospinal fluids.

22. Elementary Course in the Phipps Dispensary for Tuberculosis. Elective course. Dr. Wolman. Two days a week, 10 to 12, first trimester. (Except Tuesday or Friday.) Limited to four students.

23. Advanced Course in the Phipps Dispensary for Tuberculosis. Elective course. Drs. Hamman, Wolman, and Austrian. Third trimester. Limited to four students.

a. Clinical portion, Tuesdays and Fridays, 10 to 12 m.

b. Laboratory portion, two afternoons a week from 2 to 5 p. m.

c. Seminary, one hour a week, Fridays, 4 to 5 p. m.

24. Clinic in Pulmonary Diseases. Elective course. Monday, 12 to 1, third trimester. Dr. Hamman.

25. Extramural Course in the Study of Tuberculosis. Elective course. Dr. Wilson.

26. Diseases of the Stomach and Intestines. Elective course. Course to be arranged by Dr. Brown.

27. Diagnosis and Treatment of Some Minor Ailments. Elective course. Tuesdays, 12 to 1, third trimester. Dr. Hamburger.

28. Tropical Medicine. Elective course. Drs. Guthrie, and W. A. Baetjer. Course to be arranged. One trimester.

29. Advanced Work and Research. Students of the third and fourth years may, if fitted for it and with the permission of Professor Janeway, undertake advanced work and research in internal medicine (see below).

Graduate Work

30. Medicine, Elementary. A limited number of physicians may be admitted to the regular exercises of the third or fourth year classes, including ward rounds, clinics, and the work in the clinical laboratory. Fee $100.00 for the entire year; $50.00 for half a year. Applications should be made to Professor Janeway.

Beginning June first, various courses are offered to graduates in medicine, as designated on page 106.

31. Medicine, Advanced Work and Research. Physicians properly trained in fundamental methods who are desirous of pursuing some definite lines of investigation may be admitted to the clinic as voluntary assistants. The facilities available for this purpose comprise the medical wards of the hospital, the medical dispensary service, and the following laboratories of the clinic: the general clinical laboratory, the chemical laboratory, the biological laboratory, the heart station, the laboratory of the Phipps Dispensary for Tuberculosis, and the Hunterian Laboratory of Experimental Medicine.

SURGERY

William S. Halsted, M. D., Professor of Surgery.
George J. Heuer, M. D., Associate in Surgery.
Roy D. McClure, M. D., Instructor in Surgery.
Mont R. Reid, M. D., Instructor in Surgery.
Felix Landois, M. D., Instructor in Surgery.
Henry W. Cave, M. D., Assistant in Surgery.
Le Roy N. Fleming, M. D., Assistant in Surgery.

John M. T. Finney, M. D., Professor of Clinical Surgery.
Joseph C. Bloodgood, M. D., Associate Professor of Clinical Surgery.
George Walker, M. D., Associate in Clinical Surgery.
Richard H. Follis, M. D., Associate in Clinical Surgery.
Frederick H. Baetjer, M. D., Associate in Actinography.
N. E. B. Iglehart, M. D., Instructor in Clinical Surgery.
Omar B. Pancoast, M. D., Instructor in Clinical Surgery.
William A. Fisher, M. D., Instructor in Clinical Surgery.
J. Staige Davis, M. D., Instructor in Clinical Surgery.
Bertram M. Bernheim, M. D., Instructor in Clinical Surgery.
Harvey B. Stone, M. D., Instructor in Clinical Surgery.

Urology

Hugh H. Young, M. D., Clinical Professor of Urology.
John T. Geraghty, M. D., Associate in Clinical Urology.

George Peirce, M. D., Instructor in Urology.
David M. Davis, M. D.. Instructor in Urology.
Albert Keidel, M. D., Instructor in Clinical Urology.

Orthopedic Surgery

William S. Baer, M. D., Associate Professor of Clinical Orthopedic Surgery.
Roades Fayerweather, M. D., Instructor in Clinical Orthopedic Surgery.
George E. Bennett, M. D., Instructor in Clinical Orthopedic Surgery.
Howard E. Ashbury, M. D., Assistant in Clinical Orthopedic Surgery.
Lewis Cass Spencer, M. D., Assistant in Clinical Orthopedic Surgery.

Laryngology

Samuel J. Crowe, M. D., Associate in Clinical Laryngology.
Henry R. Slack, M. D., Assistant in Laryngology.
Carl W. Waldron, M. D,, Assistant in Laryngology.
Franklin Hazlehurst, M. D., Assistant in Clinical Laryngology.

The teaching is in the dispensary, in the wards and operating rooms of the Hospital, in the clinical laboratory and in the Hunterian Laboratory of Experimental Medicine.

A required introductory course is given in the third trimester of the second year.

The principal subjects of the third year are the general principles of surgery, surgical diagnosis, surgical pathology and operative surgery in the laboratory.

I. Clinics. A weekly clinic is given by Professor Halsted for students in the third and fourth years.

Two clinics weekly are given by Professor Finney for the third year class.

II. Minor Surgery. Dr. Walker, with the assistance of Drs. Follis, Iglehart, Pancoast, Davis and Fisher. Twice weekly, in sections, in the dispensary.

III. Surgical Diagnosis and Pathology. Professor Bloodgood, Wednesday, 2-4.30, entire year, whole class. Friday, elective course, 2-4.30 p. m. (See special announcement.)

IV. Operative Surgery. Elective, once weekly from October to May. A four-hour exercise is given to successive sections in the Hunterian laboratory.

V. Recitations. Weekly recitations upon assigned subjects are held by Dr. Finney, Dr. Follis and Dr. Walker.

The work of the fourth year consists of:

I. Ward Work. The members of each of the three groups into which the class of the fourth year is divided, serve for a trimester in the surgical wards of the Hospital.

II. Ward Classes. The students make the morning and other visits to the wards with Professors Halsted, Finney, Young, Baer and the House surgeon, where they receive bedside instruction.

III. Clinics. A weekly clinic, by Professor Halsted, Friday, 12 m. to 1 p. m.

IV. Surgical Operating Room. To each group of fourth-year students the privileges of the private operating rooms are extended for one trimester.

V. Genito-Urinary Surgery. Professor Young. (For details, see page 87.)

VI. Recitation. Professor Bloodgood. Tuesday, 11 to 12 m. (entire group).

VII. Orthopedic Surgery. Professor Baer. (For details, see page 87.)

VIII. Laryngology. Dr. Crowe. (For details, see page 88.)

Graduate Work

Surgical Pathology. Professor J. C. Bloodgood.

Graduates can enter the Laboratory of Surgical Pathology at any time for special instruction. The work is so arranged as to occupy the entire day or a portion of each day. The fee is $100.

X-Ray Diagnosis and Therapeutics. Dr. F. H. Baetjer. This course is given three times during the year, as follows: Course I, October 15 to December 15; Course II, January 15

to March 15; Course III, April 15 to June 15. (Limited to five in each course.)

Each course consists of daily demonstrations from 11 a. m. to 12.30 p. m., and aims to give a practical knowledge of the construction and manipulation of the X-ray apparatus, and its use in diagnosis and treatment.

Fee $50. Beginning June first, six weeks courses in general surgery and the various surgical specialties are offered to graduates in Medicine. See page 108.

Urology

During the fourth year Professor Young and Dr. Geraghty conduct the following elective courses:

Minor Course

I. Practical work in the dispensary, daily from 2 p. m. to 3.30 p. m., for one-half trimester or alternate days for entire trimester.

II. Weekly lecture or clinic, Professor Young, Monday, 3.30 p. m. to 4.30 p. m., for one trimester.

Major Course

I. Practical work in the Hospital laboratories or operating room, daily from 9 a. m. to 12 m., for one trimester. (Limited to six students.)

II. Weekly lecture or clinic, Monday, 3.30 p. m. to 4.30 p. m., throughout the year.

III. Pathology of the genito-urinary tract, twice weekly, Dr. Geraghty, Monday and Thursday, 12 to 1 p. m.

Orthopedic Surgery

Instruction in Orthopedic Surgery is given throughout the fourth year by Dr. Baer, assisted by Drs. Fayerweather, Ashbury, and Bennett.

Obligatory Work:

I. Ward rounds, once weekly throughout the year, for the surgical section.

II. Clinical instruction for groups of fourteen daily or three times weekly, for one trimester, from 10 a. m. to 12 m.

III. Operative clinic, Monday and Thursday, 10-12.

Elective Courses

I. A clinical lecture or recitation is given throughout the entire year, on Thursdays, from 12 m. to 1 p. m.

II. Dispensary clinic is held daily from 10 a. m. to 12 m.

III. Lateral Curvature Course is given on Tuesday mornings and Saturday afternoons, equal to six hours.

Graduate Courses

For details see announcement of summer courses.

Laryngology

The following elective courses are offered during the fourth year:

Minor Course

I. Practical work in the dispensary, three days a week from 2 to 3.30 p. m., for one trimester.

II. Daily clinic and lecture in the dispensary, 2.30 to 3.30 p. m. Dr. Crowe or Dr. Slack.

III. Weekly lecture or clinic, Dr. Crowe, Wednesday, 3.30 to 4.30 p. m.

IV. X-Ray Diagnosis of sinus and mastoid conditions. Drs. Crowe and Waldron. One day a week. (Limited to group).

Major Course

I. Practical work in the dispensary, daily from 2 to 4.30 p. m., for one trimester.

II. Lectures, Monday and Wednesday, 3.30 to 4.30 p. m., throughout the year.

III. On request, students will be allowed to assist in operations in the general operating room.

Throughout the third year obligatory courses in laryngoscopy are given to groups of fifteen students on Saturday from 2 to 4 p. m., as a preparation for the work of the fourth year in the laryngological clinics and wards.

An elective course in bronchoscopy and oesophagoscopy is offered to fourth year students during the third trimester, Tuesday, from 3 to 5 p. m., in the Hunterian Laboratory. Dr. Hazlehurst. (Limited to groups of ten.)

Throughout the fourth year students in the medical group will have opportunities to make routine examination of the nose, throat, larynx and sinuses upon patients in the public wards.

PEDIATRICS

John Howland, M. D., Professor of Pediatrics.
Edwards A. Park, M. D., Associate Professor of Pediatrics.
William McK. Marriott, M. D., Instructor in Pediatrics.
Kenneth D. Blackfan, M. D., Instructor in Pediatrics.
James B. Holmes, M. D., Assistant in Pediatrics.
J. H. Mason Knox, Ph. D., M. D., Associate in Clinical Pediatrics.

Second Year

During the last trimester of this year one hour a week is devoted to recitations, demonstrations and lectures upon the growth and development of infants and children and upon the subject of nutrition, normal and abnormal and the influence of the food stuffs, in so far as pediatrics is concerned. The class is divided into sections.

Fourth Year

I. A weekly clinic or lecture on Monday from 12 to 1 throughout the year. This is given by Dr. Knox in the first

trimester and by Professor Howland in the second and third trimesters.

II. Section teaching is given to each section twice a week for one trimester. This consists in the examination by students of patients in the wards and in the dispensary, in the presentation of cases by the students and in the discussion of symptoms, diagnosis and treatment. Special attention is paid to the diseases peculiar to infancy and childhood and to the differences in the manifestation of disease in children as contrasted with adults.

III. An elective major course is given each trimester to not more than four students. Those electing this course serve as clinical clerks in the wards and dispensary, as well as attend the other exercises.

Graduate Courses

For details, see announcement of summer courses.

OBSTETRICS

J. Whitridge Williams, M. D., Professor of Obstetrics.
Karl M. Wilson, M. D., Associate in Clinical Obstetrics.
James Raglan Miller, Instructor in Clinical Obstetrics.
Everett D. Plass, M. D., Instructor in Obstetrics.
William L. Millea, M. D., Assistant in Obstetrics.
Willa M. Fricke, Assistant in Obstetrics.

Instruction is given in the third and fourth years. The third-year work is obligatory and must be taken by all students, while that of the fourth year is elective.

Third Year

In this year five hours a week are devoted to the subject, and the time is divided as follows:

I. Recitations or Exercises with the Manikin. Thrice weekly throughout the year. In the former the gen-

eral principles of obstetrics are considered, while in the latter, which are interspersed between the recitations, the technique of obstetrical examination and of the various operative procedures is taught.

II. Practical Instruction. This includes the examination of pregnant women, pelvimetry, the delivery of patients, and the care of the woman and child after delivery.

III. Ward Classes to groups, twice weekly throughout the year.

IV. Elective courses in Obstetrical Pathology will be given by Drs. Williams, Wilson and Miller on Friday afternoons from 2 to 4.00, during each of the first two trimesters. Practical laboratory instruction is given in the anatomy and histology of the generative organs, as well as in the pathology of the various diseases of pregnancy, labor and the puerperal state.

Fourth Year

The elective work of this year is arranged in trimesters. Classes are held on Tuesday, Thursday and Friday from 10 to 12 o'clock, and patients are delivered as they fall into labor. Each practical course will be limited to ten students, and the work will be divided as follows:

I. Delivery of patients in the ward and out-patient service and opportunity to witness all operations performed in the department.

II. Ward and nursery rounds.

III. Ante- and post-partum examination of patients.

IV. Obstetrical Seminary.

V. A course of practical instruction in contracted pelves.

VI. A practical and laboratory course on the metabolism of pregnancy and its abnormalities.

VII. A course in comparative placentation and elementary teratology.

VIII. Obstetrical pathology.

A credit of 1½ units will be allowed for the regular class

work, and an additional unit to students delivering 10 or more patients in the out-door service.

Graduate Work

A limited number of physicians may receive advanced instruction during the academic year. Those wishing to do so should apply to Professor Williams stating the character of the work they desire and their qualifications for undertaking it.

GYNECOLOGY

HOWARD A. KELLY, M. D., Professor of Gynecology.
WILLIAM W. RUSSELL, M. D., Associate Professor of Clinical Gynecology.
THOMAS S. CULLEN, M. B., Associate Professor of Clinical Gynecology.
GUY L. HUNNER, M. D., Associate in Clinical Gynecology.
ELIZABETH HURDON, M. D., Associate in Clinical Gynecology.
EDWARD H. RICHARDSON, M. D., Associate in Clinical Gynecology.
J. CRAIG NEEL, M. D., Instructor in Gynecology.

Instruction is given to third and fourth year students and also to graduates. The courses of the third year are obligatory, those of the fourth year elective.

Third Year

I. Gynecological diagnosis. Each section once a week for four months. Practical instruction in the technique and interpretation of pelvic examinations; demonstrations of selected operations. Drs. Russell and Richardson.

II. A lecture, pathological demonstration or recitation once a week, throughout the year. Drs. Russell, Hunner, Hurdon and Richardson.

Fourth Year

I. Ward rounds twice a week; bed-side instruction and demonstrations. Dr. Cullen and the Resident Staff.

II. Out-patient clinics. A limited number of students are allowed to assist in the work of the dispensary daily, 2 to 4 p. m. Dr. Richardson and the Resident Staff.

III. Practical Cystoscopy. Demonstrations, covering the entire subject of diseases of the urinary tract in women, to a limited number of students three days a week from 2.30 to 4.30 p. m. Dr. Hunner and the Resident Gynecologist.

IV. Advanced Course. Offered to each section for one trimester. This includes ward rounds, pelvic examinations under anesthesia, demonstrations of operating room technique and of major operations, lectures and recitations. Drs. Kelly and Cullen.

VI. Gynecolgical pathology. This course embraces the thorough gross and microscopic study of all diseases of the pelvic structures. Special attention is given to the examination of scrapings. Drs. Cullen and Hurdon.

Graduate Work

Gynecological pathology (limited to five students.) Drs. Cullen and Hurdon.

This course begins October 1 and extends through one trimester. The class meets Tuesday afternoons, 2 to 4.30. Applications should be sent to the Registrar not later than September 15. Fee, $50.00.

During March and April on Tuesdays, 2 to 4.30 p. m., Drs. Cullen or Hurdon conduct a course (limited to ten) in the diagnosis of uterine scrapings. Fee, $50.00. All pathological conditions of the cervix and body of the uterus that might be mistaken for cancer are discussed, and special consideration is given to the early diagnosis of cancer of the uterus. The methods of obtaining and examining pieces of uterine tissue are given in detail. Fee, $50.00.

For summer courses, see announcement, page 111.

PSYCHIATRY

Adolf Meyer, M. D., Professor of Psychiatry.
Henry J. Berkley, M. D., Clinical Professor of Psychiatry.
Charles Macfie Campbell, M. D., Associate Professor of Psychiatry.
David K. Henderson, M. D., Instructor in Psychiatry.
W. Rush Dunton, Jr., M. D., Instructor in Clinical Psychiatry.
Sydney R. Miller, M. D., Assistant in Clinical Medicine.

The following courses are offered:

1. Introduction to biological and medical psychology, third trimester of the second year (Thursdays, 2-4 p. m.). An extension of physiology and general pathology into the study of mental activities.

2. Introduction to psychopathology, second trimester, third year. An extension of the course of general pathology and neurology into the study of abnormal mental mechanisms, the aphasia and apraxia groups, effects of poisons and disorders of internal secretion, and the substitutive reactions in hysteria, psychasthenia, etc. (Tuesday, from 2-3 p. m.)

3. Introduction to practical psychiatry (psychiatric nosology and methods of work): An obligatory course of clinical demonstrations and of lectures during the first trimester of the fourth year, Wednesdays, 12-1, and Saturdays, 3-4.30.

4. Weekly clinics and discussions throughout the year, Thursdays, 12-1. (Optional.)

Elective Work for Fourth-Year Students

1. Elective clinics will be given by Dr. Henry J. Berkley to a class limited to twelve at the Bay View Asylum, on Tuesdays from 3-30 to 5 during the first trimester of the 4th year; and by Dr. Dunton at the Sheppard and Enoch Pratt Hospital on Saturdays, 3-30 to 5-30, during the 2nd trimester.

2. Dispensary work, Monday, Tuesday, Friday, 10-12, with Dr. Charles Macfie Campbell.

Each student will have the opportunity of personally examining and treating under supervision cases of incipient mental disorder. At the end of the hour there will be the presentation of one or two of the most instructive cases, or a review of the day's material so that each student will profit by the whole of the clinical material available.

3. Work on ward cases, partly in connection with the Thursday clinics.

In the 2nd trimester Dr. Campbell will give an elective course on special methods of investigation and treatment in hysteria and the psychoneuroses.

Special laboratory work in general clinical laboratory methods, neuropathology and psychology (elective for second, third or fourth year).

Graduate Work

Post-graduate work is limited to physicians who will spend at least one trimester in work in the clinic and its laboratories. For summer courses, see announcement, page 111.

DISEASES OF THE NERVOUS SYSTEM

Henry M. Thomas, M. D., Clinical Professor of Neurology.
G. Lane Taneyhill, Jr., M. D., Instructor in Clinical Neurology.
Charles M. Byrnes, M. D., Instructor in Clinical Neurology.

The course is given during the third year and the work consists of the following required courses:

I. Practical work in the dispensary. The class is divided into four sections and each section works in the neurological dispensary from 10 to 12 for one morning of each week throughout the year.

II. Recitation or clinic. Tuesday, 11 a. m. to 12 m.

III. Recitation or clinic. Friday, 12 to 1 p. m., after April 1.

The following elective courses are offered during the fourth year:

I. Nervous dispensary. Daily, 10 to 11 a. m., repeated each trimester.

II. Nervous diseases, Tuesday and Thursday, 12 m. to 1 p. m., repeated each trimester.

OPHTHALMOLOGY

Samuel Theobald, M. D., Clinical Professor of Ophthalmology.
Robert L. Randolph, M. D., Associate Professor of Clinical Ophthalmology and Otology.
James J. Mills, M. D., Instructor in Clinical Ophthalmology.
Hedley V. Tweedie, M. D., Assistant in Clinical Ophthalmology.
Leo J. Goldbach, M. D., Assistant in Clinical Ophthalmology.
Lloyd B. Whitham, M. D., Assistant in Clinical Ophthalmology.

I. Daily clinics are given in the dispensary by Professors Theobald and Randolph. Each of the sub-sections into which the fourth-year class is divided attends these clinics for a half trimester. By this arrangement an opportunity is afforded each student to acquire a practical knowledge of eye diseases.

II. The major course in Ophthalmology comprises, besides greater clinical advantages—including the privilege of attendance upon the clinics of Professor Theobald at the Baltimore Eye, Ear and Throat Charity Hospital—instruction in operative surgery of the eye, in the determination of errors of refraction, the optometric use of the ophthalmoscope and skiascopy.

III. Weekly lecture, Thursday, 3.30 to 4.30 p. m., through the year. Professor Theobald.

IV. During the third year a preparatory course in ophthalmoscopy is given by Dr. Mills.

Graduate Work

For summer courses for general practitioners see announcement, page 110.

DERMATOLOGY

T. Caspar Gilchrist, M. D., Clinical Professor of Dermatology.
J. Williams Lord, M. D., Clinical Professor of Dermatology.
Edgar R. Strobel, M. D., Instructor in Clinical Dermatology.
Isaac R. Pels, M. D., Assistant in Clinical Dermatology.
Lloyd W. Ketron, M. D., Assistant in Clinical Dermatology.
J. Scott Willock, M. D., Assistant in Clinical Dermatology.

The instruction consists of the following elective courses offered to students in the fourth year:

Minor Course

I. Daily work in the dispensary, 2 to 2.30 p. m., for one-half trimester or on alternate days during one trimester.

II. Weekly clinical lectures on Tuesdays at 3.30 to 4.30 p. m.

Major Course

I. Daily work in the dispensary from 2 to 4.30 p. m. through one trimester.

II. Weekly clinical lectures on Tuesdays, 3.30 to 4.30 p. m. throughout the year.

III. A course in the pathology and bacteriology of the common cutaneous diseases.

IV. Research work.

Graduate Work

An opportunity is given to obtain practical instruction in dermatology during the academic year.

I. Practical work in the dispensary, daily, 2 to 4 p. m., for one or more trimesters.

II. A course in the pathology and bacteriology of the common cutaneous diseases.

MEDICAL ZOÖLOGY

CHARLES WARDELL STILES, Ph. D., D. Sc., Lecturer on Medical Zoölogy and Professor of Zoölogy to the U. S. Public Health and Marine Hospital Service.

Instruction in Medical Zoölogy is given to students of the third and fourth years by Dr. Stiles. It consists of a course of twenty lectures on the medical relations of animals to man (animal parasites, animals as transmitters of disease, poisonous snakes, etc.); ten lectures are given each year, illustrated with numerous charts, lantern slides, and specimens, and supplemented by practical laboratory exercises in studying both live and preserved parasites, examining meat for trichinosis and in the diagnosis of various zoöparasitic diseases by microscopic examination of fæces. The parasites are studied from the standpoints of zoölogy, practical medicine, and public health.

LEGAL MEDICINE

WILLIAM W. FORD, M. D., Lecturer in Legal Medicine.

The instruction is given in the third year. The lectures are intended to instruct the students in the actual facts of applied medicine, which constitutes the basis of the work of the medico-legal practitioner, as in the duties of the medical expert witness and his relations to his client and to the court.

The lectures deal with sexual transgressions, abortion, infanticide, etc., with the circumstances attendant upon violent death in its various forms and with injuries of all sorts, mechanical and chemical, and with the medico-legal relations of insanity.

Especial attention is directed to the methods of investigation and protocol writing in such cases, and to the technical means by which suspected marks, stains and traces of

all sorts may be recognized. Instruction as to the character of medical evidence which is useful and admissible in court and as to its presentation, is emphasized.

INSTRUCTION IN ART AS APPLIED TO MEDICINE

MAX BROEDEL, Associate Professor of Art as applied to Medicine.

A. Courses for Medical Students

1). A short course in anatomical studies on the living to be given during the first trimester. The purpose of this course is to supplement the study of the cadaver in the dissecting room.

2). A course in drawing open to students of all four years, to research workers and to members of the faculty for one afternoon a week throughout the year. This course will be limited to 12 students. The work will first deal with the exact study of the plastic representation of medical objects of all kinds. Later on this will lead to the study of diagrammatic drawings and sketches useful in taking medical histories or illustrating lectures with blackboard sketches. Lastly a suitable technique for making medical illustrations for publications will be taught.

3). Research workers who require pictorial representations of their research, will be taught the principles of making such drawings.

B. Courses for Artists and Art Students

1). Special instruction to medical illustrators who desire to take up advanced work in a particular branch. The fee will depend on the length of the course and the character of the instruction. Minimum fee, $25.00. Such courses may be taken at any time during the academic year.

2). A regular course for beginners. This course will

continue during the entire day throughout the academic year. Applicants who are not graduates of an art school must submit samples of their work. The duration of the course of instruction will of necessity depend on the talent of the individual, the average term, however, not exceeding two years. The fee is $100.00 a year. Drawings of especial merit may be accepted and utilized by the Department for publication and as a practical test of the artist's ability. Although such drawings become the property of the school, the student will receive several printed proofs after publication. All drawings and sketches not so honored will remain the property of the student.

The course will include:

a). Anatomical studies of the skeleton, muscles and viscera from the standpoint of the medical illustrator. Everything studied is sketched or drawn.

b). Studies of fresh material at autopsies, combined with microscopic studies of the various tissues in health and disease. A number of accessory methods will be employed in studying fresh tissues.

c). Studies of hardened specimens from the various pathological collections, combined with the study of the texture of the individual structures of the body.

d). Based on the foregoing the student is ready to study the pictorial representation of physical examinations, various kinds of treatment and the different steps in surgical operations.

e). Stress will be laid on the correct attitude of the medical illustrator toward problems in medical research and toward the conception of a medical illustration in general as an aid to the text and also as a work of art.

f). Parallel with and supplementing these studies, instruction will be given in the various techniques suitable for medical illustrations intended for publication. Namely:

1). Half-tone drawings in crayon, etc.—Mixed technique.

2). Water color painting.
3). Line drawings in pen and ink. Diagrams.
4). Charts for class demonstrations.

g). Studies of the various methods of reproduction from the standpoint of the illustrator.

HISTORY AND LITERATURE OF MEDICINE

The Historical Club meets once a month throughout the academic year in the medical amphitheatre of the Hospital. Old and rare or otherwise historically interesting books are exhibited and the history of medical doctrines, of epochs in medicine and of the lives and contributions to knowledge of eminent men, and other themes pertaining to the history of medicine are considered. Many students avail themselves of the stimulating and educational advantages afforded by the meetings of this Club.

SPECIAL LECTURES

From time to time, as opportunity offers, short courses of special lectures or demonstrations upon selected topics are given either by specially appointed lecturers or by members of the teaching staff.

SUMMER COURSES FOR GRADUATES IN MEDICINE

SUMMER COURSES FOR GRADUATES IN MEDICINE

In co-operation with the Johns Hopkins Hospital, the following courses are offered to graduates in medicine. Instruction will begin on Monday, June 1st and end on Wednesday, July 15th.

Under special circumstances, fourth-year students of accredited medical schools may obtain permission to register for these courses, which are primarily intended for physicians.

The right is reserved to cancel any course announced, in case less than five (5) *persons register for it.*

Physiology

Dr. C. D. Snyder, Associate Professor of Physiology.

Physiology of the Central Nervous System—The object of this course is to review the fundamental experiments upon which our knowledge of the physiology of the nervous system is based, subjecting them to vigorous criticism and repeating as many of them as is practicable in the time allotted. Monday, Wednesday and Friday, 9 a. m. to 11 a. m.

Pathology

Dr. M. C. Winternitz, Associate in Pathology, and Dr. H. N. Stevenson, Assistant in Pathology.

Gross Morbid Anatomy—Demonstration of autopsy material from the Johns Hopkins Hospital and City Hospital. Monday and Friday, 2 to 4 p. m.

Histological Pathology—Lectures on various phases of general and special pathology, with lantern and microscopic demonstrations. Tuesday, Thursday and Saturday, 2 to 4 p. m.

Technique—Demonstration of the methods of conducting

and recording autopsies and instruction in cutting and staining sections. Hours to be arranged.

Medicine

The following courses will be given:

I. *Practical Medicine*—Dr. L. V. Hamman, and Dr. P. W. Clough, Associates in Medicine. A course in practical medicine consisting of ward rounds. Daily, 9 to 11 a. m.

II. *Clinical Microscopy*—Members of Laboratory Staff. The course consists of lectures and laboratory instruction in the microscopic and chemical examinations of urine, blood, gastric contents, faeces and sputum. Monday, Wednesday and Friday, 2 to 4.30 p. m.

III. *Serum Diagnosis, Immunity Reactions, Bacteriological Examinations*—Dr. W. L. Moss, Associate in Medicine, and Dr. A. L. Bloomfield, Assistant in Medicine. The course consists of lectures and laboratory instruction covering the Wassermann reaction, fixation of complement test in gonorrhoea and other diseases, the Widal reaction, blood cultures, throat cultures, sputum examinations, bacteriological examinations of various body fluids and tissues, tuberculin and luetin reactions, Abderhalden reaction in pregnancy, Colloidal Gold reaction, opsonic technique, isoagglutination and isohemolysis tests in selecting donor for transfusion. Tuesday, Thursday and Saturday, 2 to 4.30 p. m.

IV. *Diseases of the Circulation*—Dr. G. S. Bond, and Dr. E. W. Bridgman, Assistants in Medicine. The course covers the diagnosis and treatment of cardiac diseases, together with a study of blood-pressure, venous pulse, electrocardiograms, etc. Tuesday, Thursday and Saturday, 2 to 4 p. m.

V. *Percussion and Auscultation*—Dr. S. Wolman, Instructor in Medicine, and Associates. Tuesday, Thursday and Saturday, 11 a. m. to 1 p. m.

VI. *Diseases of the Digestive Apparatus*—Dr. T. R. Brown, Associate in Medicine. A course in the diseases of the digestive apparatus, with practical exercises in the use of

the various diagnostic methods, including sigmoidoscopic and fluoroscopic examinations. Monday, Wednesday and Friday, 11 a. m. to 1 p. m.

VII. *Renal Diseases*—With special reference to Functional Tests—Dr. R. R. Snowden, Assistant in Medicine. The course includes lectures on the diagnosis and treatment of renal diseases and the consideration of all functional tests. Each student will be taught to carry out such tests as are at present considered to be of diagnostic importance. Wednesday and Friday, 9 to 11 a. m.

VIII. *Neurology*—Dr. G. Lane Taneyhill, Jr., and Dr. C. M. Byrnes, Instructors in Neurology. The course consists of lectures and practical work in the Dispensary. History-taking, methods of examination, and differential diagnosis will be discussed. Instruction will be given in the use of the ophthalmoscope and the making of electric and sensory examinations. Daily, 10 to 12 m.

Dr. Taneyhill—Lectures with illustrative case histories, in which the Freudian psychology and its bearing upon the treatment of the neuroses and psychoneuroses will be considered. Discussion of the relation of hysteria to states of depression, and to manic-depressive insanity. Monday, Wednesday and Thursday, 9 to 10 a. m.

Dr. Byrnes—A brief course in the gross and microscopic anatomy of the central nervous system, followed by the consideration of the painful affections of the trigeminal nerve and their treatment by alcohol injections. Other pathologic specimens will also be demonstrated, and, when practicable, instruction will be given in the intraspinal method of administering salvarsanised and mercurialised sera. Monday, Wednesday and Friday, 12 to 1 p. m.

Pediatrics

Dr. E. A. Park, Associate in Pediatrics, and Dr. Kenneth D. Blackfan, Instructor in Pediatrics. The course will consist of clinics and demonstrations of patients illustrating the

more common diseases of infancy and childhood. Monday, Wednesday and Friday, 11 a. m. to 1 p. m.

Surgery

The following courses will be given:

I. *Surgical Diagnosis*—Dr. J. M. T. Finney, Professor of Clinical Surgery, assisted by Dr. J. C. Bloodgood, Associate Professor of Surgery, Dr. R. H. Follis, Associate in Surgery, and Dr. R. D. McClure, Assistant in Surgery. This course will consist of daily ward rounds and operative clinics. Rounds: 9 a. m. to 10 a. m., and operations, 11 a. m. to 12 m.

II. *Surgical Pathology*—Dr. W. E. Dandy, Assistant Resident Surgeon. This course will consist of the gross and microscopic study of specimens from the surgical operating room. Tuesday, Thursday and Saturday, 2 to 5 p. m.

III. *Operative Surgery on Animals*—Dr. George Walker, Associate in Surgery, assisted by Dr. W. A. Fisher, Instructor in Surgery, and Dr. R. D. McClure, Assistant in Surgery. In this course a limited number of students will perform a series of operations in abdominal, renal and blood-vessel surgery, under the immediate supervision of the instructors. Monday, Wednesday and Friday, 2 to 5 p. m.

IV. *Genito-Urinary Surgery*—Dr. A. Keidel, Assistant in Surgery, and F. W. Hobelman, Assistant Surgeon. Clinical instruction in history-taking, routine genito-urinary examinations, urinary analysis, methods of microscopic examination of secretions from the urethra, venereal sores, prostate, etc., instrumental examination (including urethroscopy, but not cystoscopy), and methods of treatment. Daily, 10 a. m. to 12 m.

V. *Orthopedic Surgery*—Dr. W. S. Baer, Associate Professor of Orthopedic Surgery and staff.

Monday: Ward rounds 9 to 10 a. m. Dr. Baer. Operative clinic 10 to 12 m. Drs. Baer and Spencer. Dispensary clinic 10 to 12 m. Dr. Fayerweather.

Tuesday: Dispensary Clinic, 10 to 12 m. Dr. Bennett and Miss Metivier.

Wednesday: Dispensary Clinic 10 to 12 m. Drs. Fayerweather and Spencer.

Thursday: Operative Clinic 9 to 12 m. Drs. Baer and Spencer.

Friday: Clinic, Children's Hospital School, 9 to 12 m. Drs. Baer and Bennett.

Saturday: Dispensary Clinic 10 to 12 m. Dr. Baer and staff.

Lectures, Thursday, 12 to 1 p. m., as follows:

Treatment of tuberculosis of hip, Dr. Baer; arthoplasty, Dr. Baer; anterior poliomyelitis and its treatment, Dr. Fayerweather; treatment of deformities of feet, Dr. Fayerweather; treatment of Potts disease, Dr. Bennett; treatment of scolosis, Dr. Bennett.

VI. *Plastic Surgery*—Dr. J. S. Davis, Instructor in Surgery. In this course particular attention will be paid to wound healing, skin grafting, etc. Ward, dispensary and operative demonstrations will be given. Tuesday and Saturday, 10 to 12 m.

VII. *Rectal Surgery*—Dr. H. B. Stone, Instructor in Surgery. This course will include digital and proctoscopic examinations, together with operations under general or local anesthesia. Monday and Friday, 10 to 12 m. *Operative clinics as posted.*

VIII. *Radiography*—Dr. C. A. Waters, Assistant in Actinography. Practical instruction in X-Ray laboratory, including Fluoroscopy. Daily, 10 to 1 p. m. Lecture on Saturday at noon with a discussion of post-operative and clinical findings.

IX. *Anesthesia*—Dr. C. H. Watt, Assistant Resident Surgeon. Practical instruction in the administration of anesthetics in the operating room. Tuesday, Thursday and Saturday, 10 to 12 m.

X. *Diseases of the Eye*—Dr. H. V. Tweedie and Dr. L. B. Whitham, Assistants in Ophthalmology.

(a) Practical Dispensary course in diagnosis and treatment, including lectures on penetrating wounds, accidental injuries, etc. Tuesday, Thursday and Saturday, 2 to 3 p. m.

(b) Ophthalmoscopy, including examination of the normal fundus, as well as various pathological conditions. Clinic followed by lecture. Tuesday, Thursday and Saturday, 3 to 5 p. m.

XI. *Diseases of the Nose, Throat and Ear*—Dr. S. J. Crowe, Associate in Surgery in Charge of the Laryngological Clinic, Dr. F. Hazelhurst, and Dr. H. R. Slack, Assistant in Laryngology.

(a) *Dispensary Work*—Monday, Wednesday and Friday, 2 to 4.30 p. m.

(b) *Operative Clinic*—Tuesday, Thursday and Saturday, 9 to 11 a. m.

This will be supplemented by the demonstration of models, microscopic sections and X-ray plates illustrating the diagnosis of sinus and ear conditions.

(c) *Bronchoscopy and Eosophagoscopy*—Monday, 2 to 5 p. m. Dr. F. Hazelhurst. This course will be given to a limited number of students in the Hunterian Laboratory and will cover the technic and practical methods employed in such work.

XII. *Diseases of the Skin*—Dr. E. R. Strobel, Instructor in Dermatology, and Dr. I. R. Pels, Assistant in Dermatology. The course consists of the demonstration of patients and discussion of their symptoms with especial attention to differential diagnosis and treatment. The bacteriology and pathology of certain skin diseases will also be considered. Clinic, daily, 2 to 3.30 p. m. Clinical Lecture, Dr. T. C. Gilchrist, Tuesday, 3 to 4 p. m.

Gynecology

The following courses will be given:

Drs. G. L. Hunner, C. F. Burnam and E. H. Richardson, Associates in Gynecology, and Dr. L. H. Watkins, Resident Gynecologist.

I. *Operative Clinics,* preceded by pelvic examinations under anesthesia. Monday, Wednesday and Saturday, 9 a. m. to 1 p. m.

II. *Ward Rounds*—Tuesdays and Thursdays, 9 to 10 a. m.

III. *Practical Work in the Dispensary,* including history-taking, pelvic and abdominal examinations without anesthesia, and medical gynecology. Daily, 2 to 4 p. m.

IV. *Cystoscopy*—Drs. G. L. Hunner and C. F. Burnam. Practical instruction in the cystoscopic clinic. Tuesday and Thursday, 2 to 4.30 p. m.

Psychiatry

I. Dr. Adolf Meyer, Professor of Psychiatry. Course in Anatomy of the Nervous System with especial reference to the diagnosis of brain disease. Tuesday and Thursday, 2 to 4 p. m. (Subject to change.)

II. Dr. C. M. Campbell, Associate in Psychiatry, and Dr. D. K. Henderson, Assistant in Psychiatry.

(a) *General Psychiatry*—The course includes the presentation and discussion of cases and will afford opportunity for personal study of patients. Monday, Wednesday and Friday, 11 to 1 p. m. (*Daily if desired.*)

Dr. C. M. Campbell.

(b) Lecture course on methods of psycho-pathology. Monday, Tuesday and Thursday, 3 to 4 p. m.

III. Dr. S. R. Miller, Assistant in Medicine, in Charge of Laboratory of Internal Medicine, Phipps Psychiatric Clinic. Course in special laboratory technique including examination of cerebro-spinal fluid, intra-spinal therapy and other special methods. Wednesday and Friday, 2 to 4 p. m.

Fees

A full day's work for the entire period in as many courses as can be taken without conflict in hours—$100. If Animal Surgery is taken, an additional charge of $25.00 will be made.

The fee for any one of the following courses is $25.00: Physiology, Pathology, Clinical Microscopy, Serum Diagnosis, Diseases of Circulation, Digestive Diseases, Percussion and Auscultation, Renal Diseases, Orthopedic Surgery, Plastic Surgery, Rectal Surgery, Anesthesia, Eye, Skin and Ear, Throat and Nose, Gynecological Cystoscopy, Gynecological Dispensary, Pediatrics.

The fee for any one of the following courses is $50.00: Medical ward rounds, Neurology, Radiography, Gynecological Operative Course with Ward Rounds, Surgical Operations, Surgical Diagnosis with Ward Rounds, Genito-Urinary Surgery (a), Genito-Urinary Surgery (b), Psychiatry.

For Animal Surgery alone, the fee is $75.00.

Persons desiring to take any of these courses must register at the Dean's Office, where they will receive the necessary credentials.

Courses cannot be changed after registration, except upon payment of an additional fee.

In view of the fact that only a limited number can be admitted to some of the courses, it is advisable that applications be made in advance. Address the Dean of the Johns Hopkins Medical School, Baltimore.

SCHEDULES OF COURSES FOR THE SESSION OF 1914-1915

No alterations in the schedules are permitted unless authorized by the Medical Faculty.

SCHEDULE FOR THE

	Monday	Tuesday.
First Trimester. (Oct. 7 to Dec. 23, incl.)	9-12 Anatomy I. 12-1 † Anatomy VII.	9-12. Anatomy I. 12-1.† Anatomy VI.
	2-5. Histology.	2-5.† Drawing as Applied to Medicine. 2-3.† Anatomical Studies on the Living (Lecture).
Second Trimester. (Jan. 5 to Mar. 13, incl.)	9-1. Anatomy II.	9-12. Anatomy II. 12-1.† Anatomy VI.
	2-5. Histology and Organology.	2-3. Histology and Organology (Lecture). 2-5.† Drawing as Applied to Medicine.
Third Trimester. (Mar. 16 to May 29, incl.)	9-12 Bacteriology Laboratory. 12-1 Bacteriology Recitation.	9-10. Physiology (Lecture). 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.
	2-3 Physiol. Chem. Lecture. (A and B.)	2-5. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.

Explanatory Note.—Elective courses are indicated by a dagger (†), all other courses are required.

To enter upon the clinical work in the third trimester of the second year, the student must have satisfactorily completed the required work in the first year and in the first two trimesters of the second year.

FIRST YEAR, 1914-1915

Wednesday.	Thursday	Friday.
9-12. Anatomy I. 12-1.†	9-12. Anatomy I.	9-12. Anatomy I.
2-5. Histology.	2-3. Histology (Lecture). 3-5.†	2-5. Histology.
9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).	9-12. Anatomy II. 12-1. Physiology (Lecture).
2-5. Histology and Organology.	2-3.† History of Anatomy. 2-5.†	2-3.† Medical Anatomy 2-5.†
9-12. Bacteriology Laboratory. 12-1. Physiol. Chem. Lecture. (A and B).	9-10. Physiology (Lecture). 10-1. Physiology (A) Laboratory. Physiol. Chem. (B) Laboratory.	9-12. Bacteriology. 12-1. Physiol. Chem. (Lecture). (A and B)
4-5. Bacteriology (Lecture).	2-5. Physiology (A) Laboratory. Physiol Chem. (B) Laboratory.	4-5. Bacteriology (Lecture).

† Elective or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Physiology in Relation to Medicine, Physiological Chemistry, Pharmacology, Toxicology, Experimental Pathology and Hygiene.

SCHEDULE FOR THE

	Monday.	Tuesday.
First Trimester. (Oct. 7 to Dec. 23, incl.)	9-10.† Study Room (Anatomy). 10-11. Pharmacology (Lecture). 11-12. Autopsies.* 12-1. Pathology (Recitation).	9-10. Physiology (Lecture). 10-1. Physiology (B). Physiological Chemistry (A).
	2-5. Pathology.	2-5. Physiology (B). Physiological Chemistry (A).
Second Trimester. (Jan. 5 to Mar. 13, incl.)	9-12.† Study Room (Anatomy). Topographical Anat. Anat. of the Infant. 10-12. Autopsy Demonstration. Group I. 12-1. Pathology (Recitation).	9-12.† Autopsies. Hygiene. Study Room (Anat.). Topograph. Anat. Anat. of Infant. 12-1. Pharmacology (Lecture).
	2-5. Pathology.	2-5.† Drawing as Applied to Anatomy.
Third Trimester. (Mar. 16 to May 29, incl.)	9-10. Application of Biology to Medicine. Dr. Clough. Application of Chemistry to Medicine. Dr. Mosenthal. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group II. Medical Disp. Group IV. Physical Diag. Groups I and III. Preparatory Surgery. 12-1. Amphitheatre Clinic. Dr. Janeway.	9-10. Demonstration of Autopsy Material. 1st half Class. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group I. Medical Disp. Group III. Physical Diag. Groups II. and IV. Preparatory Surgery. 12-1. Physical Diagnosis of Circulatory System.
		2-4. Medical Psychology. Dr. Meyer. Required.

Explanatory Note.—Elective courses are indicated by a dagger (†), all other courses are required.

To enter upon the clinical work in the third trimester of the second year, the student must have satisfactorily completed the required work in the first year and in the first two trimesters of the second year.

† Electives or advanced work may be obtained in the following subjects by arrangement with the instructors: Anatomy, Physiology, Physiology in Relation to Medicine,

SECOND YEAR, 1914-1915

WEDNESDAY.	THURSDAY.	FRIDAY.
9-10.† Study Room (Anatomy). 10-11. Pharmacology (Lecture). 11-12. Autopsies.* 12-1. Demonstration of Autopsy Material (A).	9-10. Physiology (Lecture). 10-1. Physiology (B). Physiological Chemistry (A)	9-11.† Study Room (Anatomy). 11-12. Autopsies.* 12-1. Demonstration of Autopsy Material (B).
2-5. Pathology.	2-5. Physiology (B). Physiological Chemistry (A).	2-5. Pathology.
9-12.† Study Room (Anat.). Topograph. Anat. Anat. of Infant. 10-12. Autopsy Demonstration. Group II. 12-1. Pharmacology (Lecture).	9-12.† Autopsies. Hygiene. Study Room (Anat.). Topograph. Anat. Anat. of Infant.	9-10.† Study Room (Anatomy). Topograph. Anat. Anat. of Infant. 10-12. Autopsy Demonstration. Group III. 12-1. Pharmacology (Lecture).
2-5. Pathology.	2-5† Experimental Pharmacology.	2-5. Pathology.
9-10. Introductory Clinic. Dr. Janeway. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group II. Physical Diag. Group IV. Medical Disp. Groups III. and I. Preparatory Surgery. 12-1. Amphitheatre Clinic. Dr. Mosenthal.	9-10. Demonstration of Autopsy Material. 2nd half Class. 10-11. Surgery. Dr. Halsted. (Lecture). 11-12. Physical Diagnosis of Respiratory System. 12-1. Amphitheatre Clinic. Dr. Thayer.	9-10. Pharmacology in Relation to Medicine. Dr. Rowntree. 10-12. (Mar. 15-Apr. 1). Entire Class—Medicine. (Apr. 1-Apr. 15.) Entire Class—Surgery. (Apr. 15-May 29.) Group I. Physical Diag. Group III. Medical Disp. Groups IV. and III. Preparatory Surgery. 12-1. Physical Diagnosis of Abdominal Viscera.
2-3. Pediatrics. One-third of Class. 2-5. Regional Anatomy. Groups I. and II. 1st half tri. 2nd half tri. (Autopsy Room).	2-3. Pediatrics. One-third of Class.	2-3. Pediatrics. One-third of Class. 2-5. Regional Anatomy. Groups III. and IV. 1st half tri. 2nd half tri. (Autopsy Room).

Physiological Chemistry, Pharmacology, Toxicology, Experimental Pathology and Hygiene.

* Autopsies according to special announcement. When material is ready the autopsies will be performed at this hour.

Students who desire to take up or continue research work may be excused from the afternoon exercises of the 3rd trimester. Such students must be recommended by the respective instructors to the 3rd and 4th Year Committee.

SCHEDULE FOR THE

MONDAY.	TUESDAY.	WEDNESDAY.
9-10. Obstetrics (Recitation).	9-10. Group I.—Gynecology 1st half year. Group II.—Obstetrics 1st half year. Group I.—Obstetrics 2nd half year. Group IV.—Gynecology 2nd half year. Surgical Recitation. Groups III. and IV. 1st half year. Groups I and II. 2nd half year. Dr. Finney.	9-10. Obstetrics (Recitation).
10-12. (Oct. to Feb.) Group I. Surgical Disp. Group II. Medical Disp. Group III. Nervous Disp. Group IV. Physical Diagnosis. (Feb. to June.) Group IV. Surg. Disp. *Group III. Medical Disp. Group II. Nervous Disp. *Group I. Physical Diag.	10-11. First and Second Trimester. Gynecology (Recitation.) Third Trimester. Gynecological Pathology. 11-12. Neurology, Clinic or Recitation.	10-12. (Oct. to Feb.) Group III. Surgical Disp. Group IV. Medical Disp. Group I. Nervous Disp. Group II. Physical Diagnosis. (Feb. to June.) Group II. Surgical Disp. *Group I. Medical Disp. Group IV. Nervous Disp. *Group III. Physical Diagnosis.
12-1. Medical Clinic. Dr. Janeway.	12-1. Surgical Clinic Dr. Finney.	12-1. Medical Clinic. Dr. Mosenthal.
2-3. Clinical Microscopy. Recitation and Demonstrations [1st and 2d Trimester.] 3-4. Pharmacy. [1st Trimester.] 4-6. Practical Pharmacy. Elective. [1st Trimester.] 3-4. Practical Therapeutics. Medical Amphitheatre. [2d and 3d Trimester.] 2-3. Hygiene and Legal Medicine. [3d Trimester.]	2-4.30. Clinical Microscopy. (Laboratory). [1st and 2d Trimester.] 4.30-5.30. Psycho.-Pathology (Required). [2d Trimester.] 1.30-5. Elective Drawing. [3rd Trimester.] 2-4. Clinical Microscopy. Elective. (½ Trimester). [3rd Trimester.] 3.30-5.30 Surgical Diagnosis Bay View. (Elective.) 3d Tri.	2-3. Surgical Pathology. Clinic and Demonstration. (Three Trimesters.) 3-4.30. Surgical Pathology (Laboratory). Elective. Group Work or Special Work ½ to 1½ units.
4-5.30. Ophthalmoscopy (In groups.)	4.30-5.30. Medicine (Recitation). Oct. to Jan.1.	4.30-5.30. Medical Zoölogy. Oct. to Jan.1. Medicine (Recitation). Jan. 1 to June 1.

Unit equals 66 hours.
6 hours a week for 1 term.
2 hours a week for 1 year.
Students must take 1½ units of work during the year in these or other elective courses during these hours.

THIRD YEAR, 1914-1915

THURSDAY.	FRIDAY.	SATURDAY.
9-10. Group III.—Gynecology 1st half year. Group IV.—Obstetrics 1st half year. Group III.—Obstetrics 2nd half year. Group II.—Gynecology 2nd half year. Surgical Recitation. Groups I and II. 1st half year. Groups III and IV. 2nd half year. Dr. Follis.	9-10. Physical Diagnosis (Recitation). Dr. Futcher.	9-10. Obstetrics (Recitation).
10-12. (Oct. to Feb.) Group II. Surgical Disp. Group I. Medical Disp. Group IV. Nervous Disp. Group III. Physical Diagnosis. (Feb. to June.) Group III. Surgical Disp. *Group IV. Medical Disp. Group I. Nervous Disp. *Group II. Physical Diagnosis.	10-12. Sugical Clinic. Dr. Finney.	10-12. (Oct. to Feb.) Group IV. Surgical Disp. Group III. Medical Disp. Group II. Nervous Dsip. Group I. Physical Diagnosis. (Feb. to June.) Group I. Surgical Disp. *Group II. Medical Disp. Group III. Nervous Disp. *Group IV. Physical Diagnosis.
12-1. Medical Clinic. Dr. Thayer.	12-1. Surgical Clinic. (3rd and 4th years). Dr. Halsted. Nervous Diseases (Recitation). After April 1.	12-1 Medical Clinic (3rd and 4th years). Medical Amphitheatre Dr. Janeway. 1st and 2d Trimester Dr. Barker. 3d Trimester.
2-4.30. Clinical Microscopy. (Laboratory). [1st and 2d Trimester.] 4.30-5.30. Psychiatry. Clinical Demonstrations. Elective. [2d and 3d Trimester] 2-3. Hygiene and Legal Medicine (Lecture). Required. [3d Trimester.] 3-5. Elective. Clinical Microscopy. Elective. (½ Trimester). Medicine = ½ unit. [3d Trimester.]	Elective. 11.5. Operative Surgery, in Groups = 1 unit. (Repeated each trimester). 2-4.30. Surgical Pathology (year) = 1½ unit. Obstet. Pathology. 1 Tri. = ½ unit. (Repeated first and second Trimesters). Medicine (year = 1 unit). (Repeated each Trimester). 3.30-5.30. Tuberculosis Clinic (Elec.) Bay View. [3d Trimester.]	2-4. Laryngoscopy (Required). In groups. Dr. Crowe.

* In the third trimester Groups I. and III. will go to the City Hospital, Bay View, on Monday and Wednesday from 10 A. M. to 1 P. M., and Groups II. and IV. on Thursday and Saturday, at the same hours.

SCHEDULE FOR THE FOURTH YEAR, 1914-1915

Medical Section, including Pediatrics, Tuesday, 10.30-12, and Thursday, 9-11.....
Surgical Section.....
Elective Section.....

MEDICAL SECTION. Medical Wards, Dispensary and Laboratories, 8.30 A. M. to 12 M., and 2 to 4.30 P. M. = 6 units.

SURGICAL SECTION. Surgical Wards, Ward Visits, Operating Room and Laboratories (entire Section), 9 A. M. to 12 M. = 3 units.

Recitation in Surgery, Friday, 9 A. M. (entire group).

Ophthalmology (½ group for 1st Tri.) 2-3.30 P. M. = 1 unit, leaving 1½ units elective. Elective Courses, afternoons, 2-4.30.

12-1 LECTURES

	MONDAY.	TUESDAY.	WEDNESDAY.
First Trimester. October to Christmas.	(a) Medical Clinic. Relations of the Nervous System to Diseases. Dr. Barker. (b) Diseases of Children. Dr. Knox. (c) Genito-Urinary. Dr. Geraghty.	Advanced Medical Clinic. Dr. Barker.	Clinical Pathological Conference. Drs. Janeway and Winternitz.
Second Trimester. January to March 15.	(a) Dr. Futcher. (b) Dr. Geraghty. (c) Diseases of Children. Dr. Howland.	Advanced Medical Clinic. Dr. Barker.	Clinical Pathological Conference Drs. Janeway and Winternitz.
Third Trimester March 15 to June.	(a) Dr. Futcher. (b) Dr. Hamman. Clinic in Pulmonary Diseases. (c) Dr. Geraghty. (d) Dr. Howland.	Minor Ailments. Dr. Hamburger.	Clinical Pathological Conference. Drs. Thayer and Winternitz. Medical Ethics. (2 lectures).

The courses on Tuesday, Wednesday, Friday and Saturday are obligatory, and continue throughout the year. Those on other days are elective and arranged in Trimesters, but every student must choose one of them for each day and pursue same for entire Trimester.

Medical Zoology, Wednesday, 4.30 to 5.30. 2nd Tri.

ELECTIVE

MORNINGS.

Medical Research, - - - - - - - - - - daily 9-12 = 3 U.
Surgery (Major), Dr. Halsted and Staff, - - - - - daily 9-12 = 3 U.
Surgical Diagnosis and Pathology. Dr. Bloodgood. 12 students. Wednesday and Friday, - - - - - - - - - 8-9 = ½ to 1 U.
Surgical Diagnosis and Pathology. Work. Dr. Bloodgood, daily = ½ to 1½ U.
Gynecology, Monday, Wednesday and Saturday, 10 students, Drs. Kelly, Cullen and Resident, - - - - - - - 9-12 = 1½ U.
Obstetrics, Tuesday, Thursday and Friday, 10 students. Dr. Williams and Staff, - - - - - - - - - 9-12 = 1½ to 2½ U.
Children's Diseases (Major). Dr. Howland and Staff, Limited to Four, - - - - - - - - - - - - daily 9-12 = 3 U.
Infant Welfare (Lecture). Dr. Knox. (Hours to be announced). 2d Trimester, -
Genito-Urinary (Major). Dr. Young, - - - - - - daily 9-12 = 3 U.
Psychiatry (Major). Dr. Meyer and Staff, - - - - - 9-12 = ½ U.
Research, other departments, - - - - - - - - daily 9-12 = 3 U.
Neurology (Minor). Dr. Thomas, - - - - - - - - daily 10-11 = 1 U.
Orthopedics (daily, or 3 times weekly for 1 Trimester), limited to 14 students. Dr. Baer, - - - - - - - - - 10-12 = 1 to 2 U.
Phipps Dispensary:
Elementary Course (1st Tri.) twice weekly limited to 4 students. Dr. Wolman, - - - - - - - - 10-12 = ⅔ U.
Drawing as Applied to Medicine. Mr. Broedel - - - Tuesday, 1.30-5 = ½ U.

AFTERNOONS.

Ophthalmology (Major). Dr. Theobald, Dr. Randolph and Staff, daily 2-4.30 = 2½ U.
Ophthalmology (Lecture). Dr. Theobald, - - - Thursday, 3.30-4.30 = ⅙ U.
Genito-Urinary (Minor for ½ Tri.). Drs. Young and Geraghty, daily 2-3.30 = 1 U.
Genito-Urinary Lecture. Dr. Young, - - - - - Monday, 3.30-4.30 = ⅙ U.
Dermatology (Major). Drs. Gilchrist and Lord (limited to 10), daily 2-4.30 = 2½ U.
Dermatology (Minor for ½ Tri. or 3 times weekly for 1 Tri.). Drs. Gilchrist and Lord, - - - - - - - - - - daily 2-3.30 = 1 U.
Dermatology (Clinical Lecture). Dr. Gilchrist, - -Tuesday, 3.30-4.30 = ⅙ U.
Laryngology (Major). Dr. Crowe and Staff, - - - - daily 2-3.30 = 2½ U.

All courses extend over one Tri

Students must take 18 units during the year:

Medicine, - - - - - - - - - - -	6 units.
Surgery, - - - - - - - - - - -	3 "
Obligatory afternoon exercises (Wed., Fri. and Sat.),	1 "
2 Specialties, - - - - - - - - - -	2 "
(Ophthalmology and one minor elective),	
6 Elective Units, - - - - - - - - -	6 "
	18 units.

Unit or Minor Course equals 66 hours, or
6 hours a week for 1 Trimester.
2 hours a week for 1 year.

1st. Trimester October to Christmas.	2nd Trimester. January to March 15.	3rd Trimester. March 15 to June.
Group I. Group II. Group III.	Group III. Group I. Group II.	Group II. Group III. Group I.

Elective Section. Elective Courses, mornings, 9-12, and afternoons, 2-4.30. If Genito-Urinary, Orthopedics, Neurology or Children be not taken in morning hours, Laryngology or Dermatology must be taken for half of Tri. from 2-3.30 P. M. = 1 unit, leaving ½ unit elective from 3.30 to 4.30.

AND CLINICS

Thursday.	Friday.	Saturday.
(*a*) Medical Clinic. Dr. Thayer. (*b*) Orthopedics. Dr. Baer. (*c*) Genito-Urinary. Dr. Geraghty.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Janeway. Psychiatric Clinics. Oct. — to Jan. 1. 3.30-5.30. Dr. Meyer.
(*a*) Dr. Thayer. (*b*) Dr. Baer. (*c*) Dr. Geraghty.	Surgical Clinic. Dr. Halsted.	Medical Clinic. Dr. Janeway. Psychiatric Clinic. (Elective.) Sheppard-Pratt Hosp. Bay View or Spring Grove Hospital. 3.30-5.30.
(*a*) Dr. Thayer. (*b*) Dr. Baer. (*d*) Dr. Geraghty.	Surgical Clinic. Dr. Halsted. After April 1. Digestive Apparatus. Dr. Brown.	Medical Clinic. Dr. Barker. Psychiatric Clinic. (Elective.) 3.30 to 5.30.

Courses may be pursued for entire year or changed each Trimester. Attendance on three of these elective courses for one Trimester = ½ unit.

Psychiatry (11 lectures), Fridays, 4.30-5.30. Subject to change.

COURSES

Laryngology (Minor for ½ Tri.). Dr. Crowe and Staff, - daily 2-3.30 = 1 U.
Laryngology (Lecture). Dr. Crowe, - - Wednesday, 3.30-4.30 = ⅙ U.
Bronchoscopy and Oesophagoscopy, 3rd Tri. Dr. Hazlehurst (Hunterian Lab.), Tuesday, - - - - - - - 3-5 = ⅓ U.
Obstetrical Pathology. Dr. Williams and Staff (Repeated two Tri.). Friday, - - - - - - - - - - 2-4.30 = ½ U.
Gynecological Dispensary. Drs. Neel and Richardson, daily, 2 to 4 P. M., 1 Trimester, sections of two students each day, - - - - - - - - - - - - - = ⅓ U.
Gynecological Pathology (Repeated three Trimesters). Drs. Cullen, or Hurdon, - - - - - - - - 2-4.30 = ½ U.
Gynecology (Lecture). - - - - - - Monday, 4.30-5.30 = ⅙ U.
Cystoscopy. Drs. Hunner and Resident, Tuesday, Thursday, and Saturday. ½ Trimester (limited to 3 students), - 2.30-4.30 = ⅓ U.
Special Methods of Investigation. Dr. Campbell, 2nd Tri Wednesday, - - - - - - - - - - - 3.30-4.30
Psychiatry. Dr. Berkley. 2nd Trimester, - Saturday, 3.30-5.30 = ⅓ U.
Psychiatry, laboratory work as arranged.
Tropical Medicine. 1st Trimester, - - - - Friday, 4.30-5.30 U.
Cardiac Arrhythmias. 2nd Trimester. Tuesday and Friday, 4-5
Medical Research, - - - - - - - - daily, 2-4.30 = 2½ U.
Research in other departments, - - - - - daily, 2-4.30 = 2½ U.
Experimental Pathology (Minor). Dr. Winternitz, twice weekly, - - - - - - - - - - - - - - 2-4.30 = 1 U.
Clinical Microscopy (3rd Tri.). Drs. Baetjer and Sprunt, twice weekly for ½ Tri., - - - - - - - - 2-4 = ½ U.
Phipps Dispensary: Advanced Course (3d Trimester). Drs. Hamman, Austrian and Wolman, twice weekly, Tuesday and Friday, - - - - - - - - - - - - - - 10-12 = ⅔ U.
Infectious Diseases (Lecture). (2d Trimester). Dr. Austrian, twice weekly, - - - - - - - - - - 4.30-5.30 = ⅓ U.
Special Methods of Investigation of Infectious Diseases (2d Trimester). Dr. Austrian, - - twice weekly, 2-4.30 = 1 U.
Medical Bacteriology (Lecture). Dr. Bloomfield, Tuesday, 2-3 = ⅙ U.
mester, unless otherwise stated.

SUMMARY OF THE WORK.

Medical Group.	Wards, etc., - - - - -	8.30-12
	Lecture or Clinic, - - -	12-1
	Wards, etc., - - - - -	2-4.30
Surgical Group.	Wards, - - - - - -	9-12
	Lecture or Clinic, - - -	12-1
	Ophthalmology, - - - -	2-3.30
	Elective Work, - - - -	2-4.30
Elective Group.	Elective Work, - - - -	[illegible]

APPENDIX

APPENDIX

I

ENDOWMENT

The founder of the Johns Hopkins University, in devoting his large fortune to the establishment of the University and the Hospital, had in view the organization of a school of medicine. In his letter addressed to the Trustees of the Hospital, dated March 10, 1873, these significant words occur:

"It will be your especial duty to secure, for the service of the Hospital, surgeons and physicians of the highest character and greatest skill. . . . In all your arrangements in relation to this Hospital, you will bear constantly in mind that it is my wish and purpose that the institution shall ultimately form a part of the Medical School of the University for which I have made ample provision in my will."

When the University was opened in 1876, arrangements were made for instruction in those sciences such as physics, chemistry, and biology, which lead up naturally to the professional study of medicine. In 1884 the professorship of pathology was filled and the pathological laboratory was opened. In 1889 the Johns Hopkins Hospital was opened, and the physician, surgeon, and gynecologist in chief to the Hospital were appointed to the professorships, respectively, of medicine, surgery, and gynecology and obstetrics. At the same time the professor of psychiatry was appointed. Opportunities for instruction were afforded to graduates in medicine. Ampler endowment however, was needed to complete the organization of a medical department.

Gifts amounting to $111,731.68, most of which were offered to this University in October, 1890, by a committee of women, and an additional gift of $306,977, offered to the University in December, 1892, in addition to her previous subscriptions, by Miss Mary Elizabeth Garrett, made up, with other available resources, the amount of $500,000, which had been agreed upon by the Trustees as the minimum sum to be secured for the opening of the Medical Department. These generous contributions were made upon condition that women be received upon the same terms as men.

This endowment, added to the available resources of the Johns Hopkins University and the Johns Hopkins Hospital, enabled the

Trustees to complete the organization of the Medical Department and to open it for instruction in 1893.

II

THE WOMEN'S MEDICAL SCHOOL FUND

At a meeting of the Board of Trustees of the University, October 28, 1890, the following letter was presented:

"The committee formed for the purpose of raising a fund to procure the most advanced medical education for women, can now place at your disposal the sum of one hundred thousand dollars for the use of your Medical School, if you will, by resolution, agree that women whose previous training has been equivalent to your preliminary medical course, shall be admitted to the school, when it shall open, upon the same terms which may be prescribed for men. There can be no doubt that women ought to be trained to act as nurses for sick women. There is as little doubt that a sufficient number of women ought to be educated and trained in such manner as to be fully able to care for sick women who may wish or ought to be treated by women. We have devoted ourselves to the furtherance of this object. We have reason to hope that a university which proposes to found a medical school intended to teach advanced methods in the treatment of those diseases which affect mankind, will not refuse to women the opportunity of learning such methods. There is now a general interest in our movement. In order that this interest may be sustained, we ask you to consider our offer at the earliest possible period.

NANCY MORRIS DAVIS,
Chairman of the Baltimore Committee."

The following minute was adopted by the Trustees:

The President and Board of Trustees of the Johns Hopkins University have received from Mrs. Nancy Morris Davis, chairman of one of the committees formed for the purpose of raising a fund to procure the most advanced medical education for women, the gratifying intelligence that $100,000 has been raised for the use of their intended Medical School, and is at their disposal, if they will, by resolution, agree to the terms upon which the money was contributed by its donors.

The terms are that this Board, if it accepts the funds thus raised, shall agree, by resolution, that, when its Medical School shall be

opened, women whose training has been equivalent to the preliminary medical course prescribed for men, shall be admitted in such school upon the same terms as may be prescribed for men.

The offer to this University of the particular fund is the free, voluntary act of women residing in this State and in other States, made without the suggestion or solicitation of this Board, and we accept it under and subject to the terms which are made a part of the gift, with the understanding and declaration, however, that such preliminary training in all its parts be obtained in some other institution of learning devoted, in whole or in part, to the education of women, or by private tuition.

The fund so contributed shall be invested and known as "The Women's Medical School Fund," and that fund, and all interest to accrue thereon and all additions made thereto for the same purpose, shall remain invested for the purpose of increase only until, with its aid as a foundation, a general fund has been accumulated amounting to not less than $500,000, and sufficient for the establishment and maintenance of a Medical School worthy of the reputation of this University, and fully sufficient as a means of complete medical education. Then, and not until then, will a Medical School be opened by this University; and then, and not until then, will the gift now offered be used by this University; and then, and not until then, will the terms attached thereto be operative.

The utility of a training school for women nurses has been demonstrated by the experience and practice of the Johns Hopkins Hospital, and by the necessities of home life among our people.

This Board is satisfied that in hospital practice among women, in penal institutions in which women are prisoners, in charitable institutions in which women are cared for, and in private life, when women are to be attended, there are a need and place for learned and capable women physicians; and that it is the business and duty of this Board, when it is supplied with the necessary means for opening its proposed Medical School, to make provision for the training and full qualification of such women for the abundant work which awaits them in these wide fields of usefulness.

Nothing contained in this minute shall be construed as abridging, in any manner, the right of the Board of Trustees of the Johns Hopkins University to make such rules and regulations as they may deem necessary for the government of its School of Medicine, when it is organized; and in making such rules and regulations, the terms of this minute shall always be respected and observed.

III

THE MARY ELIZABETH GARRETT FUND *

TERMS OF THE GIFT, AS ACCEPTED BY THE TRUSTEES, FEBRUARY, 21, 1893.

Miss Mary Elizabeth Garrett, in order to make up the sum of $500,000, which the Board of Trustees required should be secured as an endowment before the Medical School of the University was opened, has contributed to that fund the sum of $306,977 upon the following terms, which have been agreed to by the University:

1. That women shall enjoy all the advantages of the Medical School of the Johns Hopkins University on the same terms as men, and shall be admitted on the same terms as men to all the prizes, dignities or honors that are awarded by competition, examination, or regarded as rewards of merit.

2. That not more than $50,000 of the original endowment of $500,000 shall be expended on a building or buildings; and that in memory of the contributions of the Committees of the Women's Medical School Fund, this building, if there be but one, or the chief building, if there be more than one, shall be known as the Women's Fund Memorial Building.

3. That the Medical School of the University shall be exclusively a graduate school as hereinafter explained, that is to say: That the Medical School of the Johns Hopkins University shall form an integral part of the Johns Hopkins University, and, like other departments of the University, shall be under the management and control of the Trustees of the said University, that it shall provide a four years' course, leading to the degree of Doctor of Medicine; that there shall be admitted to the school those students only who, by examination or by other tests equally satisfactory to the Faculty of the Medical School (no distinction being made in these tests or examinations between men and women), have proved that they have completed the studies included in the Preliminary Medical Course (Group Three, Chemical-Biological Course) as laid down in the University Register (but this condition is not meant to restrict the Trustees from receiving as hearers, but not as candidates for the degree of Doctor of Medicine, those who have received the degree of Doctor of Medicine, or its equivalent, in some school of good repute); and that the degree of Doctor of Medicine of the Johns Hopkins University shall be given to no Doctor of Medicine who have not proved by examination or by other tests equally satis-

* So designated by the Trustees, September 24, 1902.

factory to the Faculty of the Medical School that they have completed the studies included in the Preliminary Courses, besides completing the course of instruction of the Medical School of the Johns Hopkins University.

The aforegoing provision shall not be construed as restricting the liberty of the University to make such changes in the requirements for the admission to the Medical School of the Johns Hopkins University or to accept such equivalents for the studies required for admission to this school as shall not lower the standard of admission specified in this clause; provided that the requirements in modern languages other than English shall not be diminished, and provided also that the requirements in non-medical scientific studies shall include at least as much knowledge of natural science as is imparted in the three minor courses in science now laid down in its university register, the subjects and arrangements of these scientific studies being subject to such modifications as may from time to time seem wise to its Board and to the Faculty of the Medical School, but being at all times the same for all candidates for admission. (For such requirements always see University Register.)

4. That the terms of this gift and the resolutions of October 28, 1890, by which the Trustees accepted the gift of the Women's Medical School Fund, shall be printed each year in whatever annual calendars may be issued announcing the courses of the Medical School. (See appended resolutions.)

5. That there shall be created a committee of six women to whom the women studying in the Medical School may apply for advice concerning lodging and other practical matters, and that all questions concerning the personal character of women applying for admission to the School, and all non-academic questions of discipline affecting the women studying in the Medical School shall be referred to this committee, and by them be in writing reported for action to the authorities of the University; that the members of this committee shall be members for life; that the committee, when once formed shall be self-nominating, its nominations of new members to fill such vacancies as may occur being subject always to the approval of the Board of Trustees of the University.

6. That in the event of any violation of any or all of the aforesaid stipulations, the said sum of $306,977 shall revert to her, or such person or persons, institution or institutions, as she by testament or otherwise may hereafter appoint.

It will be observed that by the tenor of the aforegoing terms no university course will be in any way modified by any conditions attached to her gift. These conditions relate exclusively to preparation for the Medical School, and have received, in the shape in

which they are now presented, the unanimous approval of the Medical Faculty of the University.

The terms of admission to the Medical School of the University, as formulated and interpreted by the Medical Faculty of the University, February 4, 1893, and here subjoined, are therefore in entire accordance with the terms of her gift.

(Signed) MARY E. GARRETT.

REQUIREMENTS FOR ADMISSION TO THE MEDICAL SCHOOL OF THE JOHNS HOPKINS UNIVERSITY, UNANIMOUSLY APPROVED BY THE MEDICAL FACULTY, FEBRUARY 4, 1893.

A course of four years' instruction will be provided leading to the degree of Doctor of Medicine.

To this course there will be admitted as candidates for the degree:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A. B. degree in the University.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have a good reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry and biology as is imparted by the regular minor courses given in these subjects in this University.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, physics, chemistry and biology already indicated.

By approved colleges and scientific schools are meant those whose standard for graduation shall be considered by this University as essentially equivalent to its standard for graduation in the undergraduate department.

It is to be understood that at least one year's study in the Chemical and Biological Sciences in their immediate relation to medicine shall be required from students after their entrance to the Medical School.

WOMEN'S COMMITTEE OF MEDICAL SCHOOL

MISS MARY E. GARRETT,
MRS. ALFRED HODIER,
MRS. WILLIAM H. HOWELL,
MRS. HOWARD A. KELLY,
MISS M. CAREY THOMAS,
MRS. HENRY M. THOMAS.

Their duties are stated in paragraph 5 of the letter printed above.

IV

THE BAXLEY PROFESSORSHIP

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact, and was invested by the Trustees with the purpose of allowing it to accumulate until it had reached a sum more adequate to carrying out the desire of the founder. In March, 1901, upon the request of the President and the Medical Faculty, the Board of Trustees of the University directed that this fund shall be set apart to endow the Professorship of Pathology in the University, which shall hereafter be known as the Baxley Professorship of Pathology.

V

THE HERTER LECTURESHIP

In November, 1902, Dr. and Mrs. Christian A. Herter, of New York, offered to the Medical Department of the Johns Hopkins University the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." This gift was accepted by the Trustees of the University November 3, 1902. According to the terms of the gift, some eminent worker in Physiology or Pathology is to be asked each year to deliver a lecture at the Johns Hopkins University upon a subject with which he has been identified. The selection of a lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine, and if "in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." The committee named for this purpose consists of Drs. Welch, Abel and Barker.

LECTURERS ON THIS FOUNDATION

Professor Paul Ehrlich, of Frankfort.
Professor Hans H. Meyer, of Vienna.
Professor Sir Almroth E. Wright, of London.
Professor Sir Edward A. Shäfer, of Edinburgh.
Professor Hans Chiari, of Strassburg.
Professor Albrecht Kossel, of Heidelberg.
Professor George F. Nuttall, of Cambridge, England.

VI

THE ENDOWMENT OF THE JOHNS HOPKINS HOSPITAL

The intimate connection between the Medical School and the Johns Hopkins Hospital renders it proper to mention the facilities of the Hospital as an important adjunct to the endowment of the Medical School. By the letter of instruction of the founder, it was provided that the Johns Hopkins Hospital should furnish clinical facilities for the Medical School. In the purchase of the site of the Hospital, the location and arrangement of buildings, the construction of the apparatus for heating and ventilation and all other hygienic appliances, the purpose of medical instruction was constantly borne in mind. The original buildings and grounds of the Hospital, not including the Harriet Lane Home, the Phipps Psychiatric Clinic, the Marburg building, and the Brady Urological Institute and other buildings, have cost upwards of two millions of dollars. Upon the hospital grounds have been erected various buildings, which furnish ample facilities for the accommodation of 600 in-patients and many thousand out-patients, as well as a pathological laboratory, with a large autopsy amphitheatre. These buildings also provide class-rooms in connection with the out-patient department, a large clinical laboratory, a surgical building with five operating rooms, as well as rooms for the study of surgical pathology, clinic rooms, several lecture rooms, and a clinical amphitheatre, all equipped with ample apparatus for the instruction of students. The administration building furnishes accommodation for a medical staff of over fifty persons. It also has a large library and reading rooms.

VII

THE ENDOWMENT OF THE CLINICAL LABORATORY

An endowment, which benefits the Medical School through the Hospital, has been a fund of $10,000 to build and equip a clinical laboratory upon the Hospital grounds for the use of Medical students. This laboratory permits each student in the third and fourth years to have a place for clinical work, including microscopes and reagents, the use of a dark room, access to polariscopes and other instruments. It also contains rooms for special study and research.

VIII

THE FUND FOR THE STUDY OF TUBERCULOSIS

This endowment for the study of tuberculosis has been placed in the hands of the Hospital Trustees for the study of the conditions of tubercular diseases in Baltimore. Through the funds afforded it has been practicable to employ a medical graduate to follow cases of tuberculosis and to watch the effects of methods of treatment; also to secure the services of medical students and nurses to visit the homes of tubercular patients and to give instruction as to the better care of the victims of the disease. By means of this fund facilities are further afforded to students to study tubercular cases that come to the out-patient department of the Hospital.

IX

THE PHIPPS FUND FOR THE STUDY OF TUBERCULOSIS

Through the liberality of Mr. Henry Phipps, a fund of $20,000 has been given to the Hospital for the erection of a separate building in connection with the out-patient department, for the special study of tuberculosis. He also contributes an additional fund each year for its maintenance. In this building rooms are arranged for the examination and treatment of patients, for a special library on tuberculosis, and for the laboratory study of the disease. The facilities thus afforded give exceptional opportunities for the study of all forms of tuberculosis.

X

THE PHIPPS PSYCHIATRIC CLINIC

In a letter to the Trustees of the Johns Hopkins Hospital, June 12, 1908, Mr. Henry Phipps, of New York, offered the funds necessary for the erection of a psychiatric hospital, on the grounds of the Johns Hopkins Hospital, to accommodate about eighty patients and to contain the necessary laboratory equipment, hydro-therapeutic apparatus and other modern facilities for treatment. He offered, moreover, to the Trustees of the Johns Hopkins University, additional funds for the establishment of a department of psychiatry for a period of ten years from the opening of the clinic. This

generous offer was accepted by the Trustees of the University and Hospital. The building was opened with impressive ceremonies in April, 1913, and affords unsurpassed facilities.

XI

THE HARRIET LANE HOME FOR INVALID CHILDREN

By her last will, Mrs. Harriet Lane Johnston, of Washington, D. C., left a sum of over $400,000 to establish in Baltimore The Harriet Lane Home for Invalid Children as a memorial of two sons who had died in childhood. In order to give this Home the largest usefulness, its Trustees decided to erect it upon the grounds of the Johns Hopkins Hospital and to open its wards for the instruction of physicians and nurses in the diseases of children. The building, which accommodates 100 children, was opened in October, 1912, and affords facilities for the study of the diseases of children, including those of an infectious nature.

XII

THE JAMES BUCHANAN BRADY UROLOGICAL INSTITUTE

In October, 1912, Mr. James Buchanan Brady of New York offered to the Trustees of the Johns Hopkins Hospital funds sufficient for the erection and maintenance of a special building for the care of 60 patients suffering from genito-urinary disorders. This generous offer was accepted, and the building, which was opened in October, 1914, is designated as the James Buchanan Brady Urological Institute. It offers exceptional facilities for the treatment of patients, the advancement of knowledge, and the instruction of physicians and students.

XIII

THE WILLIAM H. WELCH FUND FOR CLINICAL EDUCATION AND RESEARCH

In response to the request of the Trustees of the Johns Hopkins University for funds to enable it to place the departments of Medicine, Surgery and Pediatrics upon the full University basis, the

General Education Board, in October, 1913, contributed the sum of one and one-half million dollars, as announced in the following letter:—

Dr. William H. Welch,
Chairman of the Administrative Committee,
Johns Hopkins University, Baltimore.

Dear Dr. Welch:

At a meeting of the General Education Board, held October 23, 1913, your application on behalf of the Johns Hopkins Medical School was presented for consideration. After full discussion the following resolutions were unanimously passed:

"Resolved, That the General Education Board hereby agrees to appropriate the funds necessary to carry out the full-time scheme described in Dr. Welch's letter under date of October 21, 1913, and empowers the Finance Committee to take the necessary steps looking to the execution of this agreement.

"Resolved, That, in view of Dr. Welch's great services to the cause of medical education in America, the fund appropriated as above be called "The William H. Welch Endowment for Clinical Education and Research."

With great respect, I am,

Faithfully yours,

(Signed) WALLACE BUTTRICK.

October 29, 1913.

CATALOGUE OF STUDENTS

A—List of Candidates for the degree of M. D.

B—Geographical distribution of Students, etc.

C—List of Physicians attending Graduate and Summer Courses

STUDENTS, 1914–1915

(Corrected to September 1, 1914.)

CANDIDATES FOR THE DEGREE OF DOCTOR OF MEDICINE

First Year

JOHN WARD BAYLOR. Indian, Va.
A. B., Washington and Lee University, 1914.

HARRY EDWIN BLAIR. Hagerstown.
A. B., Western Maryland College, 1914.

HERMAN JOHN BOLLINGER. Toledo, O.
S. B., Heidelberg University (Ohio), 1914.

DAVID THOMAS BOWDEN, JR. Paterson, N. J.
A. B., Johns Hopkins University, 1914.

ALBERT HOWELL BREWSTER. Atlanta, Ga.
A. B., University of Virginia, 1914.

LESTER MEEK CALLISON. Athens, O.
A. B., Ohio University, 1913.

FRIEDMAN HOLMES CATHRALL. West Pittston, Pa.
S. B., Bucknell University, 1914.

BENJAMIN MILTON CISSEL. Highland.
A. B., St. John's College, 1914.

RICHARD GILMORE COBLENTZ. Baltimore.
A. B., Johns Hopkins University, 1914.

FRANK DAVIES CONROY. Cullowhee, N. C.
A. B., University of North Carolina, 1914.

WILL G. CRANDALL. Lakota, N. Dak.
S. B., Fargo College, 1914.

LEONARD TOMB DAVIDSON. Oberlin, O.
A. B., Oberlin College, 1912.

EDGAR MORTIMER DAY. Pittsburgh, Pa.
A. B., Princeton University, 1914.

JOHN LANAHAN DORSEY. Baltimore.
A. B., Johns Hopkins University, 1914.

ETHEL COLLINS DUNHAM. Hartford, Conn.
A. B., Bryn Mawr College, 1914.

MARTHA MAY ELIOT. Boston, Mass.
A. B., Radcliffe College, 1913.

JOHN EDWARD ELMENDORF, JR. New Brunswick, N. J.
A. B., Rutgers College, 1914.

HORTENSIA AMANDA FARRALL. Batavia, N. Y.
S. B., Simmons College, 1912.

FREDERIC EUGENE BASIL FOLEY. St. Paul, Minn.
Ph. B., Yale University, 1913.

LAWRENCE STOKES FULLER. Laurens, S. C.
S. B., University of South Carolina, 1914.

LESLIE TRACY GAGER. Norwich, Conn.
A. B., Yale University, 1914.

KARL GAINES. Rome, Ga.
A. B., Mercer University, 1913.

HILDEGARDE CATHARINE GERMANN. Quincy, Ill.
A. B., Vassar College, 1913.

LAWRENCE GETZ. Baltimore.
A. B., Johns Hopkins University, 1914.

RALPH KALB GHORMLEY. Tacoma, Wash.
S. B., Whitworth College, 1914.

BLAINE RANDOLPH GOLDSBERRY. Athens, O.
S. B., Ohio University, 1914.

MICHAEL ALVORD GORE. Washington, D. C.
A. B., George Washington University, 1914.

JOHN SUMMERFIELD GREEN, JR. Gittings, Long Green.
S. B., Lafayette College, 1914.

HARRY LAVERNE GRIFFITH. Columbus, O.
A. B., Ohio State University, 1914.

GARLAND MELVIN HARWOOD. Richmond, Va.
A. B., Richmond College, 1914.

NATHAN BERNARD HERMAN. Baltimore.
A. B., Johns Hopkins University, 1914.

ROLFE LOUIS HILLMAN. St. Paul, Va.
A. B., Emory and Henry College, 1914.

ROYAL LEE HOBBS. Reisterstown.
A. B., St. John's College, 1914.

LESLIE BENJAMIN HOHMAN. Kansas City, Mo.
A. B., University of Missouri, 1912; Graduate student, University of Chicago, 1913.

ROBERT WRIGHT HOUSEAL. Newberry, S. C.
A. B., Newberry College, 1911; A. M., University of Virginia, 1914.

JOHN GARDINER HUCK. Baltimore.
A B., Johns Hopkins University, 1913, and Graduate student, 1913-1914.

WALTER HUGHSON. Morgantown, S. C.
S. B., Princeton University, 1914.

SYLVIA LLOYD JOHNSON. Masontown, Pa.
A. B., Goshen College, 1914.

CARL FRED JORDAN. Burlington, Ia.
A. B., State University of Iowa, 1914.

LINWOOD DICKENS KEYSER. Roanoke, Va.
A. B., University of Virginia, 1914.

CHARLES BOWDON KINGRY. Montgomery, Ala.
A. B., Howard College, 1914.

JOSEPH HIRAM KITE. Elkton, Va.
A. B., Randolph-Macon College, 1914.

AMOS RALPH KOONTZ. Marksville, Va.
A. B., and S. B., College of William and Mary, 1910, and A. M., 1911; University of Chicago, summer qr., 1910-1911.

LOUIS FREDERICK KRUMREIN. Baltimore.
A. B., George Washington University, 1914.

WILLIAM ALBERT LANDIS. Chicago, Ill.
S. B., University of Chicago, 1914.

CLIFFORD M. LANE. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

CARLISLE SANFORD LENTZ. Omaha, Neb.
A. B., Creighton College, 1914.

CHARLES SUMNER LEVY. Baltimore.
A. B., Johns Hopkins University, 1914.

JENNINGS SIPE LINCOLN. Wakefield, Va.
A. B., Elon College, 1911; Graduate Student, Johns Hopkins University, 1913-1914.

EDWIN SCOTT LINTON. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

IRA CLINTON LONG. Morehead City, N. C.
A. B., Trinity College (N. C.), 1914.

ALBERT SMITH MCCOWN. Lexington, Va.
A. B., Washington and Lee University, 1910.

WILLIAM FRANK MCFEE. Concord, Tenn.
A. B., University of Tennessee, 1914.

JOSEPH WATSON MARTINDALE. Camden, N. J.
Ph. B., Yale University, 1913.

JOHN GASTON MATEER. Wooster, O.
A. B., University of Wooster, 1911.

WILLIAM FREDERICK MAYER. Johnstown, Pa.
A. B., Princeton University, 1914.

GILBERT EDISON MEEKINS. Cambridge.
A. B., Washington College, 1913; Graduate Student, Johns Hopkins University, 1913-1914.

FRANK ROBERT MENAGH. Denison, Ia.
A. B., State University of Iowa, 1914.

EDITH S. MICHAEL. New York, N. Y.
A. B., Lyseum Fliegelmann, Vienna, 1911; Graduate student, Universities of Lausanne and Paris, 1912-1914.

JOHN LEO MUELLER. Baltimore.
A. B., Rock Hill College, 1914; Graduate Student, University of Pennsylvania, 1914.

ISRAEL WILLIAM NACHLAS. Baltimore.
A. B., Johns Hopkins University, 1914.

WILLIAM DAVE NOBLE. Preston.
A. B., St. John's College, 1914.

ELLA OPPENHEIMER. Washington, D. C.
A. B., Bryn Mawr College, 1914.

KATHARINE PARDEE. New York, N. Y.
A. B., Wellesley College, 1912; Graduate student, Cornell University, 1913-1914.

RUSSELL HUGO PATTERSON. Athens, Ga.
S. B., University of Georgia, 1914.

DANIEL PHYTHYON. West Middlesex, Pa.
S. B., Westminster College (Pa.), 1914.

CLARENCE CHIPLEY PORTER. Baltimore.
A. B., Johns Hopkins University, 1914.

WILLIAM IRWIN PRICHARD. Petersburg, Va.
A. B., Randolph-Macon College, 1910.

JOHN PAUL RANKIN. Elyria, O.
A. B., Ohio Wesleyan University, 1914.

CLARENCE ALBERT RANSOM. Washington, D. C.
S. B., Fargo College, 1914.

ELIZABETH MINTIE REESE. Gwynnbrook.
A. B., Goucher College, 1908; Summer School, Johns Hopkins University, 1911 and 1912.

LYLE BARNES RICH. Willow City, N. Dak.
A. B., University of North Dakota, 1914.

CHARLES WILLIAM VICTOR RICHARDS. Annandale, N. Y.
A. B., St. Stephen's College, 1914; Student, Summer School, Johns Hopkins University, 1914.

INA MAY RICHTER. Santa Barbara, Cal.
A. B., Bryn Mawr College, 1908; Summer sessions, University of California, 1912 and 1913.

ROBERT ROSEN. Detroit, Mich.
S. B., Michigan Agricultural College, 1913.

EMMETT ORREN RUSHING. San Angelo, Tex.
A. B., University of Texas, 1913.

LOUIS SACHS. Baltimore.
A. B., Johns Hopkins University, 1914.

WILLIAM JUSTUS MERLE SCOTT. Cleveland, O.
A. B., Oberlin College, 1913.

HAROLD CLINKSCALES SHIRLEY. Honea Path, S. C.
S. B., Military College of South Carolina, 1913; A. M., University of South Carolina, 1914.

WOODRUFF SMITH. Spencerport, N. Y.
A. B,, Williams College, 1914.

EDWARD D. SPALDING. Detroit, Mich.
S. B., Princeton University, 1914.

KARL JOSEPH STEINMUELLER. Baltimore.
A. B., Johns Hopkins University, 1914.

HORACE GENTRY STEWART. Gallipolis, O.
S. B., Massachusetts Institute of Technology, 1914.

PHEBE STONE. New York, N. Y.
A. B., Goucher College, 1914.

ELMER RAYMOND STUMP. Atlanta, Ga.
A. B., University of Georgia, 1912.

LEE EDWARDS SUTTON, JR. Petersburg, Va.
S. B., Virginia Polytechnic Institute, 1914.

RALPH EASTERDAY SWARTS. Arkansas City, Kans.
A. B., University of Kansas, 1914.

KARL HART TANNENBAUM. Crawfordsville, Ind.
A. B., Wabash College, 1914.

CARLOS M. DEL VALLE. Santurce, P. R.
A. B., Johns Hopkins University, 1914.

VAN NOYES VERPLANCK. So. Manchester, Conn.
A. B., Yale University, 1914.

CHARLES EDWARD WAGNER. Lock Haven, Pa.
Ph. B., Dickinson College, 1914.

JAMES ALTO WARD. Hartford, Ala.
A. B., Howard College, 1914.

LAWSON WILKINS. Baltimore.
A. B., Johns Hopkins University, 1914.

HARRISON GARNER WRIGHT. Seattle, Wash.
S. B., University of Washington, 1914.

RODES ESTILL YAGER. Georgetown, Ky.
S. B., Georgetown College (Ky.), 1913.

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Second Year

JAMES BURNS AMBERSON, JR. Waynesboro, Pa.
Ph. B., Lafayette College, 1913.

JAMES KERR ANDERSON. Pittsburgh, Pa.
A. B., Washington and Jefferson College, 1913.

WALTER THOMAS ANDERSON. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

JAMES LAMBERT BACCHUS. Chestertown.
A. B., Washington College, 1912; Graduate Student, Johns Hopkins University, 1912-13.

JOHN HERMAN BAIRD. Newark, O.
A. B., Kenyon College, 1913.

HORACE MCMURRAN BANKS. Shepherdstown, W. Va.
A. B., Washington and Lee University, 1913.

BENJAMIN F. BEAVERS. Decatur, Ind.
A. B., Wabash College, 1913.

BURTON ELLIS BELCHER. St. Petersburg, Fla.
S. B., Florida State College, 1905.

WILLIAM CAMPBELL BLAKE. Birmingham, Ala.
S. B., Howard College, 1913.

IRENE M. BLANCHARD. Normal, Ill.
A. B., University of Michigan, 1898; Graduate Student, Univ. of Chicago, summer of 1907, Univ. of Michigan, 1911-12, and summer of 1912.

LEO BRADY. Baltimore.
A. B., Johns Hopkins University, 1913.

G. Bedford Brown, Jr. Georgetown, Ky.
S. B., Georgetown College, 1912, and Yale University, 1913.

Hugh Max Bullard. Newberry, Pa.
S. B., Bucknell University, 1913.

Curle Latimer Callander. Fargo, N. D.
A. B., Harvard University, 1913.

Alice Berry Carroll. Columbus, O.
S. B., Ohio State University, 1911; Medical Dept., University of Wisconsin, 1911-1913.

William Granville Catlin. White Haven.
A. B., St. John's College, 1913.

John Gardner Cheetham. Canton, N. Y.
A. B., St. Lawrence University, 1913.

George Arthur Clark. Holyoke, Mass.
S. B., Hamilton College, 1913.

Hallie Marguerite Clark. Roxbury, N. Y.
S. B., Syracuse University, 1912.

Herman Porter Davidson. Lexington, Va.
A. B., Washington and Lee University, 1913.

Karl Hermann Doege. Marshfield, Wis.
S. B., University of Wisconsin, 1914, and Medical Department, 1912-1914.

Howard Philip Doub. Beaver Creek.
A. B., Western Maryland College, 1913.

Raymond Durston Fear. Holland Patent, N. Y.
A. B., Hamilton College, 1913.

Hubert William Fowle. Baltimore.
A. B., Williams College, 1910.

Morris Frishman. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1913.

Herman Anderson Gailey. Cardiff.
A. B., St. John's College, 1913.

Thomas Owen Gamble. Jasper, Ala.
S. B., University of Alabama, 1912.

Leslie Newton Gay. Shamokin, Pa.
Ph. B., Lafayette College, 1913.

Irma Goldman. Iola, Kans.
A. B., University of Kansas, 1913.

Gordon Lewis Groover, Jr. Savannah, Ga.
A. B., Washington and Lee University, 1912; Graduate Student, Johns Hopkins University, 1912-13.

RUTH ALLINE GUY. New York, N. Y.
A. B., Barnard College, 1912.

GEORGE EDWARD WEBB HARDY, JR. Baltimore.
A. B., Johns Hopkins University, 1913.

FRANK WILBUR HARTMAN. Eliott, Ia.
A. B., Knox College, 1913.

ROBERT VAL HOFFMAN. Hagerstown.
A. B., St. John's College, 1913.

SARAH ERNSTINE HOWARD. Boston, Mass.
A. B., Wellesley College, 1911.

JOHN EDABDUEL HUISKAMP. New York, N. Y.
A. B., Harvard University, 1898; Columbia University, 1912-13.

WADDIE PENNINGTON JACKSON. South Hill, Va.
A. B., Randolph-Macon College, 1910; Summer School, Columbia University, 1912.

LOUIS LLEWELLYN JACOBS. Norfolk, Va.
A. B., Johns Hopkins University, 1913.

JOHN HALL JANNEY, JR. Brookeville.
S. B., Earlham College, 1913.

ROBERT WILKINSON JOHNSON, JR. Baltimore.
A. B., Princeton University, 1912.

JOSEPH KETZKY. Montgomery, Ala.
S. B., Alabama Polytechnic Institute, 1912.

JOHN ALBERT KEY. St. Petersburg, Fla.
S. B., Alabama Polytechnic Institute, 1913.

MERLE WILLIAM KING. Baltimore.
A. B., Allegheny College, 1908; Summer School, Cornell University, 1911, and Johns Hopkins University, 1913.

JOHN CHRISTIAN KOCH. Athens, Ga.
S. B., University of Georgia, 1904.

FREDERICK HAMILTON LINTHICUM. Baltimore.
A. B., Loyola College, 1912; Graduate Student, Johns Hopkins University, 1912-1913.

COEN L. LUCKETT. Terre Haute, Ind.
A. B., University of Illinois, 1914, and Medical Department, 1912-1914.

JAMES SHEARER MCCARTNEY, JR. Washington, Pa.
A. B., Washington and Jefferson College, 1913.

FREDERICK FRANCIS MCGAULEY. Schenectady, N. Y.
S. B., Union College, 1912.

CLAUDE VINCENT MCMEEN. Enola, Pa.
Ph. B., Dickinson College, 1913.

MORLEY DANIEL MCNEAL. Cherokee, Ia.
A. B., State University of Iowa, 1913.

PHILIPS MILNES MACDONNELL. Kingston, Can.
A. M., Queen's University, 1912, and Medical Department, 1912-1914.

HUBERT MELVILLE MANN. Schenectady, N. Y.
A. B., Union College, 1913.

ELI KENNERLY MARSHALL, JR. Baltimore.
S. B., College of Charleston, 1908; Ph. D., Johns Hopkins University, 1911.

JAMES GRAHAM MARSTON. Baltimore.
A. B., Johns Hopkins University, 1913.

KARL HENRY MARTZLOFF. Portland, Ore.
A. B., University of Oregon, 1913.

KATHARINE KROM MERRITT. Stamford, Conn.
A. B., Vassar College, 1908.

GILBERT RICHARD MICKLETHWAIT. Portsmouth, O.
S. B., Ohio University, 1913.

FREDERICK A. MILLER. Hagerstown.
A. B., St. John's College, 1912.

THEODORE SIDNEY MOÏSE, JR. Savannah, Ga.
A. B., University of Georgia, 1913.

EDWARD NOVAK. Baltimore.
A. B., Johns Hopkins University, 1913.

LOUIS ERNEST PAYNE, JR. Leonardtown.
A. B., St. John's College, 1913; Graduate Student, Johns Hopkins University, 1912-1913.

DELOS SCHUYLER PULFORD, JR. Tacoma, Wash.
S. B., Trinity College (Conn.), 1912.

RALPH LOUIS REBER. Reading, Pa.
Ph. B., Franklin and Marshall College, 1913.

JOHN L. RICE. New Haven, Conn.
S. B., Wesleyan University (Conn.), 1912.

IRL CEPHAS RIGGIN. Windsor, Va.
A. B., Western Maryland College, 1913.

BERTRAM JULIAN SANGER. Waco, Tex.
A. B., University of Texas, 1913.

EDWIN WILLIAM SCHULTZ. Ann Arbor, Mich.
S. B., Winona College of Agriculture, 1913; Medical Department, University of Michigan, 1913-1914.

JOSEPH PARDOE SHEARER. Milton, Pa.
S. B., Bucknell University, 1913.

JAMES WINN SHERRILL. Temple, Tex.
A. B., Baylor University, 1913.

DAVID NATHANIEL SHULMAN. Baltimore.
A. B., Johns Hopkins University, 1913.

GEORGE MARSDEN SHIPTON. Pittsfield, Mass.
A. B., Williams College, 1913.

EBEN ELLICOTT SMITH. Dillsboro, Ind.
S. B., Moore's Hill College, 1913.

MERRILL CLARY SOSMAN. Chillicothe, O.
A. B., University of Wisconsin, 1913.

RICHARD HENRY STAEHLE. Newark, N. J.
S. B., Princeton University, 1913.

ROBERT BOYD STEWART. Toronto, Ont.
A. B., University of Toronto, 1905, M. A., 1906, and B. Sc., 1909.

JOHN LOUIS STIFEL. Pittsburgh, Pa.
A. B., Harvard University, 1913.

CYRUS CRESSY STURGIS. Pendleton, Ore.
S. B., University of Washington, 1913.

MARK HOPKINS TIBBETTS. Gilbert, Minn.
S. B., Parsons College, 1912.

WILLIAM SMITH TILLET. Charlotte, N. C.
A. B., University of North Carolina, 1913.

MAX TISCHLER. Wilkes-Barre, Pa.
Ph. B., Lafayette College, 1913.

MYRON GRIFFIN TULL. Baltimore.
A. B., Johns Hopkins University, 1913.

NIALL FRANKLIN TWIGG. Cumberland.
A. B., St. John's College, 1913.

MARGARET TYLER. Newton Centre, Mass.
A. B., Mt. Holyoke College, 1913.

HOBART SANFORD VAN NOSTRAND. Little Neck, L. I.
S. B., Colgate University, 1913.

ROBERT ALEXANDER WEBB, JR. Louisville, Ky.
A. B., Southwestern Presbyterian University, 1910; Graduate Student, Johns Hopkins University, 1910-1913.

PAUL ASHLEY WEST. Gambier, O.
A. B., Kenyon College, 1912; Graduate Student, Oberlin College, 1912-13.

JOHN BONAR WHITE. Abbeville, S. C.
A. B., Davidson College, 1910.

GEORGE RICHARD WILKINSON. Baltimore.
S. B., Davidson College, 1912.

LOUIS ALEXANDER WITZEMAN. Akron, O.
A. B., Harvard University, 1913.

FRANK DALLAM WORTHINGTON. Bel Air.
A. B., Princeton University, 1913.

MARY WRIGHT. Great Barrington, Mass.
A. B., Vassar College, 1914.

CORREN PINCKNEY YOUMANS. Fairfax, S. C.
S. B., Clemson College, 1913.

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Third Year

WILLIAM WILLIS ANDERSON. Baltimore.
A. B., University of Georgia, 1911.

HERMAN S. APPLEBAUM. Baltimore.
A. B., Johns Hopkins University, 1912.

EMILY PARTRIDGE BACON. Moorestown, N. J.
A. B., Wilson College, 1912.

IRVIN C. BARCLAY. Macomb, Ill.
S. B., Knox College, 1912.

BRYAN ANDERSON BARLOW. Ashford, Ala.
S. B., University of Alabama, 1912.

HAROLD CEDRIC BEAN. Portland, Ore.
A. B., University of Oregon, 1912, and Medical Department, 1912-13.

PIO BLANCO. San Juan, P. R.
S. B., Washington and Jefferson College, 1912.

ROWLAND SILL BRIGGS. Sacramento, Cal.
S. B., University of California, 1913, and Medical Department, 1912-1914.

SAM BROCK. Carrollton, Ga.
A. B., University of Georgia, 1910.

H. HAYS BULLARD. New Orleans, La.
A. B., University of Missouri, 1908, and A. M., 1909, Medical Department, 1906-1908; Ph. D., Tulane University, 1912.

HARRY J. BURKHOLDER. Monmouth, Ill.
S. B., Monmouth College, 1912.

JOHN JOSEPH CARDEN, JR. Honolulu, H. I.
S. B., University of California, 1912.

PAUL WILLIAM CHRISTMAN. Berkeley, Calif.
S. B., University of California, 1912, and College of Medicine, *ibid.*, 1911-1913.

SEYMOUR GARLAND CLARK. Darien, Ga.
Ph. B., Emory College, 1912.

HENRY BROWN CONRAD. Winston-Salem, N. C.
A. B., Wake Forest College, 1912, A. M., 1913, and Medical Department, 1912-1913.

ELWOOD HARRIS COURTER. Basking Ridge, N. J.
S. B., Bucknell University, 1912.

WILLIAM WALTER CUMMINGS. Providence, R. I.
A. B., Brown University, 1912.

FRANK IRONS DARROW. Fargo, N. Dak.
S. B., North Dakota Agricultural College, 1912.

HAROLD BALL DISBROW. Lakewood, N. J.
A. B., Princeton University, 1911.

JOSEPH PUGH EIDSON. Macon, Ga.
A. B., Miami University, 1912.

REUBEN JOHAN ERICKSON. Galesburg, Ill.
A. B., Knox College, 1911.

JAMES ALLAN ETHERIDGE. Macon, Ga.
A. B., University of Georgia, 1912.

LLOYD DERR FELTON. Magnolia, O.
A. B., Wooster University, 1910; Graduate Student, Columbia University.

ROY LAMAR FIELDER. Spring Valley, Va.
A. B. and S. B., Emory and Henry College, 1912.

WILLIAM PARKER FINNEY, JR. Lincoln University, Pa.
A. B., Princeton University, 1908; Graduate Student, Johns Hopkins University, 1911-12.

ROBERT GUY FULLER. Baton Rouge, La.
S. B., Louisiana State University, 1907.

HUGH CLINTON FISKE GILL. Baltimore.
S. B., Maryland Agricultural College, 1912.

ADOLPHUS BARTE GREENWOOD. Asheville, N. C.
A. B., University of North Carolina, 1910, and Medical Department, 1912-1914.

WALTER EDWARD GREMPLER. Baltimore.
A. B., Johns Hopkins University, 1912.

FERDINAND HERBERT HAESSLER. Milwaukee, Wis.
A. B., University of Wisconsin, 1914, and Medical Department, 1912-1914, and University of Chicago, Feb. 1914-June 1914.

DAVID HORACE HALLOCK. Southampton, L. I., N. Y.
A. B., Hamilton College, 1912.

HOWARD HARRISON HAMMAN. Greensburg, Pa.
S. B., Allegheny College, 1912.

MARGARET IRVING HANDY. Smyrna, Del.
A. B., Goucher College, 1911.

CHARLES MAXWELL HARMON. Cassopolis, Mich.
A. B., Lake Forest College, 1912.

JOHN WARTON HARRIS. Reidsville, N. C.
A. B. and A. M., University of North Carolina, 1911-12.

GEORGE ARGALE HARROP, JR. South Bend, Ind.
A. B., Harvard University, 1912.

THOMAS JOHANNES HELDT. Columbia, Mo.
A. B., University of Missouri, 1910, and A. M., 1912, and Medical Department, June 1912 to September 1914.

GEORGE WILLIAM HENRY. Oswego, N. Y.
A. B., Wesleyan University (Conn.), 1912.

FREDERICK KARL HERPEL. Reynoldsville, Pa.
A. B., Allegheny College, 1912.

ELIJAH MAXIE HICKS, JR. Coward, S. C.
A. B., Furman University, 1912; and A. M., 1913.

ROBERT CARHART HOOD. Clarksburg, W. Va.
A. B., Washington and Lee University, 1912.

JACK MASON HUNDLEY. Baltimore.
A. B., St. John's College, 1912.

MILDRED JENKS. Boston, Mass.
A. B., Wellesley College, 1911; Medical Department, J. H. U., 1911-1912.

ARTHUR LYMAN KINNE. Holyoke, Mass.
A. B., Dartmouth College, 1912.

JOSEPH SELL LAWRENCE. York, Pa.
A. B., Franklin and Marshall College, 1904, and A. M., 1912.

HUGH FRANCIS LENA. Lawrence, Mass.
A. B., Dartmouth College, 1912.

ASA LIGGETT LINCOLN. Lacey Spring, Va.
A. B., Elon College, 1910, and A. M., 1911.

HARRY LINDEN. Baltimore.
A. B., Johns Hopkins University, 1912.

JOHN GABRIEL LONG. Lancaster, Pa.
A. B., Franklin and Marshall College, 1912.

IRVING KENNEDY LOVETT. Little Silver, N. J.
Ph. B., Lafayette College, 1912.

LAWRENCE KINSMAN MCCAFFERTY. Columbus, O.
A. B., Kenyon College, 1912.

CHARLES LEE MCCARTHY. Princeton, N. J.
S. B., Princeton University, 1912.

PATRICK FRANCIS MCGUIRE. Piedmont, W. Va.
A. B., Rock Hill Colllege, 1909.

EDITH HELEN MAAS. New York, N. Y.
A. B., Vassar College, 1912; Columbia University, Summer, 1912.

RICHARD S. MAJOR. Johnsonville, S. C.
A. B., Wofford College, 1909.

WALTER BRAMBLETTE MARTIN. Norfolk, Va.
S. B., Virginia Polytechnic Institute, 1909.

MILO KIRK MILLER. Urbana, Ill.
A. B., University of Illinois, 1912.

WILLIAM THOMAS MITCHELL, JR. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1912.

*EARL MOORE. Kansas City, Mo.
A. B., University of Kansas (Feb.), 1914.

JOHN HENRY MULLIN. Wilmington, Del.
S. B., Princeton University, 1912.

DAVID REID MURCHISON. Wilmington, N. C.
A. B., University of North Carolina, 1912.

MOSBY HALE PAYNE. Vera, Va.
A. B., Washington and Lee University, 1911.

ALFRED PFITSCH, JR. Baltimore.
A. B., Western Maryland College, 1912.

CHARLES BERNARD PRITCHETT. Danville, Va.
A. B., Washington and Lee University, 1912.

SIDNEY O. REESE, JR. Randolph, Neb.
S. B., University of Nebraska, 1913, and Medical Department, 1911-13.

THOMAS CRAIG REDFERN. Clemson College, S. C.
S. B., Clemson College, 1912.

HORACE WITHERS REID. Danville, Ky.
A. B., Central University of Kentucky, 1911, and A. M., 1912.

FRED DAWSON REYNOLDS. Brundidge, Ala.
S. B., University of Alabama, 1912.

LAWRENCE REYNOLDS. Ozark, Ala.
A. B., University of Alabama, 1912.

FRANCIS ERRETT ROBERTS. Moundsville, W. Va.
A. B., Bethany College, 1912.

CHARLES EDWIN SEVIER. Brownsville, Tenn.
S. B., Vanderbilt University, 1912.

JOHN ALSTON SEVIER. Brownsville, Tenn.
S. B., Vanderbilt University, 1912.

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* Admitted at beginning of 3rd trimester with certificates showing that he had completed three years work of arts and two of medicine.

DANIEL GLEN SMITH. Schenectady, N. Y.
S. B., Union College, 1912.

TAYLOR BIVENS SMITH. Caldwell, O.
A. B., Marietta College, 1912.

WILLIAM WHITE SOUTHARD. Redlands, Cal.
A. B., Leland Stanford Jr. University, 1910.

JAMES SPENCER SPEED. Roanoke, Va.
A. B., University of Virginia, 1912.

LAWRENCE EMERSON SPROUT. Picture Rocks, Pa.
S. B., Bucknell University, 1912.

WILLIAM STARR. Eau Claire, Wis.
A. B., University of Wisconsin, 1912.

RICHARD ERNEST STIFEL. Pittsburgh, Pa.
A. B., Harvard University, 1912.

JAMES KENT STODDARD. Mt. Holly, N. J.
A. B., Princeton University, 1912.

ALAN CALLENDER SUTTON. Baltimore.
A. B., Johns Hopkins University, 1912.

THOMAS LYNN SUTTON. Zanesville, O.
A. B., University of Michigan, 1912.

HENRY M. THOMAS, JR. Baltimore.
S. B., Haverford College, 1912.

JUNIUS ERNEST WABINNER, JR. Richmond, Va.
A. B., Richmond College, 1912.

ISABEL MARY WASON. Lowell, Ind.
A. B., The Western College for Women, 1911.

THEODORA WHEELER. Fairfield, Conn.
A. B., Vassar College, 1911.

SAMUEL AUGUSTUS WHITE. Savannah, Ga.
S. B., University of South Carolina, 1912.

GEORGE BERNAYS WISLOCKI. St. Louis, Mo.
A. B., Washington University (St. Louis), 1912.

ERNEST LUDWIG ZIMMERMAN. New Bedford, Mass.
A. B., Dartmouth College, 1912. (89)

Fourth Year

FRANK EARL ADAIR. Beverly, O.
A. B., Marietta College, 1910.

HARVEY MONTREVILLE ANDREW. Deer Lick, Pa.
S. B., Waynesburg College, 1911.

CHARLES ARMSTRONG. Alliance, O.
S. B., Mount Union College, 1910.

DANA WINSLOW ATCHLEY. Asbury Park, N. J.
S. B., University of Chicago, 1911.

JOHN AULL. Lexington, Mo.
A. B., University of Virginia, 1911.

ARTHUR MAYNARD BACON. Westminster.
A. B., Western Maryland College, 1911.

JOHN COOK BALDWIN. Brooklyn, N. Y.
S. B., Hamilton College, 1910, and M. S., 1913; Graduate Student, University of Berlin, 1910-11.

ROGER PUTNAM BATCHELOR. Milwaukee, Wis.
A. B., University of Wisconsin, 1911.

HAROLD EDWARDS BATES. Portland, Ore.
A. B., University of Oregon, 1910.

LEO CHAPMAN BEAN. Gallipolis, O.
Ph. B., Ohio University, 1911.

LOUIS DE KEYSER BELDEN. Wilmington, N. C.
S. B., University of North Carolina, 1910, and Medical Department, 1911-1913.

GEORGE BRAUNLICH. Davenport, Ia.
Ph. B., University of Chicago, 1910.

WALTER C. BURKET. Kingman, Kans.
S. B., University of Chicago, 1911.

JAMES JULIAN CHISOLM. Natchez, Miss.
A. B., Princeton University, 1911.

FREDERICK CHRISTOPHER. Evanston, Ill.
S. B., Northwestern University, 1911.

ADMONT HALSEY CLARK. Miyazaki, Japan.
A. B., Oberlin College, 1910.

JEFFERSON HAMER CLARK, JR. Philadelphia, Pa.
A. B., Haverford College, 1911.

SAMUEL WALCOTT CLAUSEN. Canandaigua, N. Y.
A. B., Williams College, 1910; Graduate Student, Princeton University, 1910-11.

HARRY DUFFIELD CLOUGH. New Bedford, Mass.
A. B., Brown University, 1908, and A. M., 1911.

RENA CRAWFORD. Columbus, Miss.
Ph. B., University of Chicago, 1903; A. M., Columbia University, 1910.

ROBERT SYDNEY CUNNINGHAM. Anderson, S. C.
S. B. and A. M., Davidson College, 1911.

ARTHUR BLISS DAYTON. Naugatuck, Conn.
Ph. B., Yale University, 1911.

BEECKMAN J. DELATOUR. Brooklyn, N. Y.
S. B., Amherst College, 1911.

WOODS FREDERICK DERR. Watsontown, Pa.
A. B., Bucknell University, 1911.

MARJORIE DIETZ. Hazleton, Pa.
A. B., Wellesley College, 1907.

DRAYTON HOWARD DOHERTY. Selma, Ala.
A. B., Howard College, 1910.

DU MONT F. ELMENDORF. New Brunswick, N. J.
A. B., Rutgers College, 1911.

RUTH ELDRED FAIRBANK. Jacksonville, Ill.
A. B., Illinois College, 1911.

ROY EDWIN FALLAS. Los Angeles, Cal.
A. B., Leland Stanford Jr. University, 1911.

OTTO ALOIS FAUST. Schenectady, N. Y.
Ph. B., Union College, 1911.

HERBERT SPENCER GASSER. Platteville, Wis.
A. B., and A. M., University of Wisconsin, 1910 and 1911; Med. Dept., 1909-1911; Assistant and Instructor in Physiology, *ibid.*, 1911-1913.

WILLIAM CARSON VON GLAHN. Wilmington, N. C.
S. B., Davidson College, 1911.

SAMUEL JAMES GLASS, JR. Pittsburgh, Pa.
S. B., University of Pittsburgh, 1911.

WILLIAM MAYES GOBER, JR. Marietta, Ga.
A. B., University of Georgia, 1909.

CALVIN HOOKER GODDARD. Baltimore.
A. B., Johns Hopkins University, 1911.

LEWIE MULLER GRIFFITH. Columbia, S. C.
S. B., University of South Carolina, 1908.

ROY GRIFFITH. Bogart, Ga.
S. B., University of Georgia, 1911.

RUSSELL LANDRAM HADEN. Crozet, Va.
A. B., University of Virginia, 1910, and A. M., 1911.

WILLIAM MORRIS HAPP. Macon, Ga.
A. B., University of Georgia, 1911.

VERNON OFFUTT HEDDENS. St. Joseph, Mo.
A. B., University of Missouri, 1910.

FRANK M. HOUCK. Boiling Springs, Pa.
Ph. B., Dickinson College, 1910.

STEWART VERNON IRWIN. Oakland, Calif.
S. B., University of California, 1911.

MORRIS JOSEPH. Passaic, N. J.
S. B., New York University, 1911; Student, Bellevue Hospital Medical College, 1910-11.

McDUGALD KEENER McLEAN. Wolfe City, Tex.
A. B., Southwestern University, 1908; Medical Department, Johns Hopkins University, 1909-10; B. Sc., Oxford University, England, 1913.

FLOYD WILCOX MACRAE, JR. Atlanta, Ga.
Ph. B., Yale University, 1911.

JAMES ROBERT McVAY. Trenton, Mo.
A. B., University of Missouri, 1912, Medical Department, 1910-12, and Graduate Student, 1912-13.

HERTEL PHILIP MAKEL. Baltimore.
A. B., Johns Hopkins University, 1911.

VERNE RHEEM MASON. Long Beach, Cal.
S. B., University of California, 1911.

KENNETH FULLER MAXCY. Baltimore.
A. B., George Washington University, 1911.

DAVID RALPH MELEN. Rochester, N. Y.
S. B., University of Rochester, 1911.

JAMES SAMUEL MITCHENER. Selma, N. C.
S. B., Davidson College, 1909.

HAROLD SYDNEY MORGAN. San Diego, Cal.
A. B., Leland Stanford Jr. University, 1912, and Medical Department 1911-12.

RUFUS AYRES MORISON. Big Stone Gap, Va.
Graduate, Virginia Military Institute, 1905.

JOHN GARDNER MURRAY, JR. Baltimore.
A. B., Johns Hopkins University, 1911.

HARVEY HUSTON MUSSER. Akron, O.
A. B., Johns Hopkins University, 1911.

HARRY SIDNEY NEWCOMER. Washington, D. C.
A. B., University of Wisconsin, 1909, and A. M., 1910; Graduate Student, 1910-11; University of Chicago Summer Quarter, 1910-11; University of Freiburg, 1912-13.

THOMAS CHRISTIAN PEIGHTAL. Altoona, Pa.
Ph. B., Franklin and Marshall College, 1911.

GEORGE HEINRICHS PRESTON. Baltimore.
A. B., Johns Hopkins University, 1911.

MARY PUTNAM. New York, N. Y.
A. B., Bryn Mawr College, 1910.

GEORGE KREMER RHODES. Berkeley, Cal.
S. B., University of California, 1912, and Medical Department, 1911-12.

DAVIS NEEPER RICHARDS. Germantown, Pa.
A. B., University of Wooster, 1911.

ESTHER LORING RICHARDS. Sherborn, Mass.
A. B., Mt. Holyoke College, 1910; Medical Department, University of Wisconsin, 1910-13.

THOMAS MILTON RIVERS. Jonesboro, Ga.
A. B., Emory College, 1909; Medical Department, J. H. U., 1909-1911.

GILBERT WHITE ROSENTHAL. Baltimore.
A. B., Johns Hopkins University, 1910, and Graduate Student, 1910-11.

LIPPMAN LEVY ROTHSCHILD. Buffalo, N. Y.
A. B., Yale University, 1910.

ADOLPH GEORGE SCHNACK. Honolulu, H. I.
A. B., Leland Stanford Jr. University, 1910; A. M., Yale University, 1911.

KATHARINE JULIA SCOTT. Pittsfield, N. H.
A. B., Wellesley College, 1910; Graduate Student, Radcliffe College, 1910-1911.

JUDD CAMPBELL SHELLITO. Independence, Ia.
S. B., Princeton University, 1911.

DANIEL MARSH SHEWBROOKS. Holden, Mass.
A. B., Middlebury College, 1909.

HARVEY M. SLATER. Salem, Ore.
A. B., University of Oregon, 1911.

DANIEL CLARKE WHARTON SMITH, 2d. Baltimore.
Ph. B., Yale University, 1911.

*JOHN FREDERICK SMITH. Cedar Falls, Ia.
A. B., Lake Forest University, 1907.

LUCIUS ERNEST SMITH. Lexington, Ky.
S. B., University of Kentucky, 1911.

L. HOWARD SMITH. Huron, S. Dak.
S. B., Huron College, 1910.

MARY HANNAH SWAN. Tecumseh, Mich.
A. B., Mt. Holyoke College, 1905; Woman's Med. Coll. of Penna., 1910-1912.

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*For one trimester only.

VIRGIL PRESTON WILLIS SYDENSTRICKER. West Point, Miss.
A. B., Washington and Lee University, 1910, and A. M., 1911.

BENJAMIN TAPPAN. Baltimore.
A. B., Johns Hopkins University, 1911.

WILLIAM CLARK THOMAS. Bartow, Ga.
A. B., Emory College, 1911.

DONALD VAUGHN TRUEBLOOD. Seattle, Wash.
A. B., University of Washington, 1911.

PRESTCOTT STEARNS TUCKER. Washington, D. C.
A. B., George Washington University, 1911.

JOHN CALVIN TURNER, JR. Camilla, Ga.
S. B., Davidson College, 1908; A. M., 1909; Graduate Student, Columbia University Summer School, 1910-11.

VICTOR ROLAND TURNER. Newark, O.
S. B., Denison University, 1909; A. M., Harvard University, 1911.

JOHN EDWARD WALKER. Alexander City, Ala.
S. B., Alabama Polytechnic Institute, 1910, and M. S., 1911.

CHARLES LUTHER WARNER. Baltimore.
A. B., Johns Hopkins University, 1911.

ROY GILLIAN WERNER. Columbus, O.
A. B., Ohio State University, 1909, and Graduate Student, 1909-10; Medical Student, University of Chicago, Summer, 1911.

LAWRENCE RICHARDSON WHARTON. Hollywood, Cal.
Ph. B., Hiram College, 1907; Graduate Student, Johns Hopkins University, 1910, and De Pauw University, 1911.

HENRY STAFFORD WHISMAN. Salinas, Cal.
S. B., University of California, 1911.

LOUIS HICKS WILLIAMS. Faison, N. C.
A. B., University of North Carolina, 1911.

EDWARD BLAINE WIX. New York, N. Y.
Ph. B., Yale University, 1911.

F. SIMON WOO. Chang Chow, China.
A. B., St. John's University, Shanghai, 1910; Graduate Student, Johns Hopkins University, 1910-11.

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Geographical Distribution of Students Enrolled and Their Places of Graduation

Alabama	10	New Jersey	13
California	10	New York	26
Connecticut	7	North Carolina	11
Delaware	2	North Dakota	4
District of Columbia	5	Ohio	25
Florida	2	Oregon	5
Georgia	19	Pennsylvania	36
Hawaiian Islands	2	Porto Rico	2
Illinois	9	Rhode Island	1
Indiana	6	South Carolina	11
Iowa	7	South Dakota	1
Kansas	3	Tennessee	3
Kentucky	5	Texas	4
Louisiana	2	Virginia	23
Maryland (Baltimore, 44)	62	Washington	4
Massachusetts	13	West Virginia	4
Michigan	5	Wisconsin	5
Minnesota	2		
Mississippi	3	*Foreign*	
Missouri	7	Canada	2
Nebraska	2	China	1
New Hampshire	1	Japan	1

Alabama Polytechnic Inst.	3	Clemson College	2
Alabama, University of	4	Colgate University	1
Allegheny College	3	Creighton University	1
Amherst College	1	Dartmouth College	3
Barnard College	1	Davidson College	6
Baylor University	1	Denison University	1
Bethany College	1	Dickinson College	3
Brown University	2	Earlham College	1
Bryn Mawr College	4	Elon College	2
Bucknell University	6	Emory College	3
California, University of	7	Emory and Henry College	2
Central University (Ky.)	1	Fargo College	2
Chicago, University of	5	Florida State College	1

Franklin and Marshall Coll..	1
Furman University.....	1
Georgetown College (Ky.)...	2
Georgia, University of.....	8
George Washington Univ....	6
Goshen College.....	1
Goucher College.....	3
Hamilton College.....	4
Harvard University.....	6
Haverford College.....	2
Heidelberg Univ. (O.).....	1
Hiram College.....	1
Howard College.....	4
Huron College.....	1
Illinois College.....	1
Illinois, University of.....	2
Iowa, University of.....	3
Johns Hopkins University....	33
Kansas, University of.....	3
Kentucky State University..	1
Kenyon College.....	3
Knox College.....	3
Lafayette College.....	5
Lake Forest University.....	2
Lausanne, University of.....	1
Leland Stanford Jr. Univ....	4
Louisiana State University..	1
Loyola College.....	1
Marietta College.....	2
Maryland Agricultural Coll...	1
Mass. Inst. of Technology....	1
Mercer University.....	1
Miami University.....	1
Michigan Agricultural Coll...	1
Michigan, University of.....	2
Middlebury College.....	1
Missouri, University of.....	5
Monmouth College.....	1
Moore's Hill College.....	1
Mt. Holyoke College.....	3
Mt. Union College.....	1
Nebraska, University of.....	1
New York University.....	1
North Carolina, Univ. of....	7
N. Dakota Agri. College.....	1
North Dakota, Univ. of.....	1
Northwestern University.....	1
Oberlin College.....	3
Ohio State University.....	3
Ohio University.....	4
Oregon, University of.....	4
Parson's College (Ia.).....	1
Pittsburgh, University of....	3
Princeton University.....	14
Queen's University.....	1
Radcliffe College.....	1
Randolph-Macon College.....	3
Richmond College.....	2
Rochester, University of.....	1
Rock Hill College.....	2
Rutgers College.....	2
Simmons College.....	1
South Carolina, Univ. of....	4
Southwestern University.....	1
Southw'tn Presbyterian Univ.	1
St. John's Coll. (Annapolis)..	10
St. John's Univ. (Shanghai)..	1
St. Lawrence University.....	1
St. Stephen's College.....	1
Syracuse University.....	1
Tennessee, University of.....	1
Texas, University of.....	2
Toronto University.....	1
Trinity College (Conn.).....	1
Trinity College (N. C.).....	1
Union College.....	4
Vanderbilt University.....	2
Vassar College.....	5
Virginia Military Institute..	1
Virginia Polytechnic Inst.....	2
Virginia, University of.....	6
Wabash College.....	2
Wake Forest College.....	1
Washington, University of....	3
Washgtn. Univ. (St. Louis)..	1
Washington College.....	2
Washington & Jefferson Coll..	6
Washington and Lee Univ....	9

Waynesburg College	1	Westminster College (Pa.)	1
Wellesley College	5	Williams College	4
Wesleyan Univ. (Conn.)	2	Wilson College	1
Wesleyan Univ. (Ohio)	1	Winona College of Agricul.	1
Western Coll. for Women	1	Wisconsin, University of	7
Western Maryland College	5	Wofford College	1
Whitworth College	1	Wooster, University of	3
William and Mary, Coll. of	1	Yale University	9

PHYSICIANS ATTENDING GRADUATE COURSES DURING 1913-1914

JAMES APPELBE. Parry Sound, Ont.
M. D. C. M., Victoria University, 1887. *Medicine and Neurology.*

MARTIN BALTAZAR. Manila, P. I.
M. D., University of the Philippines, 1912. *Genito-Urinary Diseases.*

ARTHUR F. BRATRUD. Warren, Minn.
M. D., University of Minnesota, 1912. *X-Ray Diagnosis.*

ELBER R. BRUCKBACKER. Springfield, O.
M. D., Medical College of Ohio (Cincinnati), 1908. *X-Ray Diagnosis.*

EVERETT S. HICKS. Port Dover, Ont.
M. D., University of Toronto, 1896. *Surgical Pathol. and X-Ray Diagnosis.*

HEISTER V. HOWER. Mifflinville, Pa.
M. D., College of Physicians and Surgeons (Balt.), 1887. *Medicine and Neurology.*

EINER W. JOHNSON. Bemidji, Minn.
M. D., Hamline University, 1908. *Medicine.*

ALBERT L. KEE. Cambridge, Mass.
M. D., College of Physicians and Surgeons (Balt.), 1901. *Neurology.*

WILLIS S. LEMON. La Grange, Ill.
M. B., University of Toronto, 1905. *Medicine.*

ALEXANDER MAYSELS. Philadelphia, Pa.
M. D., College of Physicians and Surgeons (Balt.), 1910. *General Courses.*

J. WILLIAM PIERSON. Baltimore.
M. D., University of Maryland, 1905. *X-Ray Diagnosis.*

RAFAEL M. SANTOS. Manila, P. I.
M. D., University of the Philippines, 1912. *Pediatrics.*

MAURICE E. SHAMER. Baltimore.
M. D., Baltimore Medical College, 1910. *Obstetrics.*

JAMES H. SHRADER. Baltimore.
Ph. D., Johns Hopkins University, 1913. *Bacteriology.*

WILLIAM L. SMITH. Riderwood.
M. D., College of Physicians and Surgeons (Balt.), 1887. *Medicine.*

JAMES W. SQUIRES. Charlotte, N. C.
M. D., North Carolina Medical College (Charlotte), 1911. *X-Ray Diagnosis.*

J. BOSLEY THOMAS. Baltimore.
Bacteriology.

WILLIAM E. THOMPSON. Chillicothe, Mo.
M. D., Barnes Medical College, 1905. *Medicine, Clinical Microscopy, and Neurology.*

HUGH T. WILLIAMS. Versailles, Ill.
M. D., Missouri Medical College (St. Louis), 1895. *Medicine.*

TILDEN H. YOUNG. Vernon, Ala.
M. D., Tulane University, 1903. *Medicine.*

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PHYSICIANS ATTENDING SUMMER COURSES, 1914

George M. Albee. Worcester, Mass.
M. D., University of New York, 1893. *Circulation.*

Sidney Alfelder. Clarendon, Va.
M. D., Columbia University, 1896. *Full Course.*

Lelia E. Andrews. Oklahoma City, Okla.
M. D., Northwestern University, 1900. *Gynecology III.*

David Autry. Marietta, Okla.
M. D., Memphis Hospital Med. Coll., 1900. *Practical Medicine.*

Hugh M. Beebe. Sidney, O.
M. D., University of Michigan, 1907. *X-Ray and Surgical Pathology.*

Erle E. Benedict. Minneapolis, Minn.
M. D., University of Minnesota, 1901. *Prac. Med. Surg. and Clinical Microscopy.*

Daniel L. Borden. Washington, D. C.
M. D., George Washington University, 1912. *Gynecology IV.*

Joseph F. Borghoff. Omaha, Neb,
M. D., Creighton Medical College, 1913. *Full Course.*

Edward B. Brannin. Dallas, Tex.
M. D., Tulane University, 1909. *Full Course.*

George C. Brown. Worcester, Mass.
M. D., Jefferson Medical College, 1902. *Genito-Urinary Surgery.*

John T. Burkhalter. Baltimore.
M. D., Maryland Medical College, 1899. *Surgical Diagnosis.*

T. Craig Burns. Oklahoma City, Okla.
M. D., Albany Medical College, 1909. *Anesthesia.*

William B. Campbell. Hagerstown.
M. D., University of Maryland, 1906. *Medical Course.*

Frank M. Carpenter. Rochester, N. Y.
M. D., University of Buffalo, 1907. *Full Course.*

Henry F. Cassidy. Baltimore.
M. D., University of Maryland, 1890. *Nose and Throat.*

A. Melville Crane. Marion, O.
M. D., Columbus Medical College, 1880. *Full Course.*

Harry T. Davidson. Wichita, Kans.
M. D., Eclectic Medical College (Cincinnati), 1911. *Full Course.*

Sylvester E. Donovan. New Bedford, Mass.
M. D., New York University, 1894. *Medical Course.*

FRANCIS L. ELIAS. Wymore, Nebr.
M. D., University of Kansas, 1910. *Full Course.*

MICHAEL A. FLOERSCH. Topeka, Kans.
M. D., Creighton Medical College, 1900. *Medical Course* and *Clinical Microscopy.*

KEENE R. FORSTON. Washington, D. C.
M. D., Maryland Medical College, 1913. *Nose and Throat.*

FRANK D. FORTNEY. Newburg, W. Va.
M. D., Baltimore Medical College, 1904. *Digestive Apparatus and X-Ray.*

CARL W. FRANTZ. Confluence, Pa.
M. D., Western University of Penna., 1907. *Nose and Throat, Skin and Pediatrics.*

EDWIN G. GANOUNG. Minneapolis, Kans.
M. D., University of Kansas, 1910. *Full Course.*

GEORGE H. GILBERT. Austin, Texas.
M. D., University of Texas, 1903. *Genito-Urinary Surgery and Skin.*

ANNA W. HAGEMANN. Cincinnati, O.
M. D., Eclectic Medical College, 1914. *Gynecology III.*

FRANKLIN G. HAINES. Warren, Pa.
M. D., Baltimore Medical College, 1895. *Full Course.*

JOHN F. HARKINS. Worcester, Mass.
M. D., Harvard Medical School, 1900. *Digestive Apparatus.*

HENRY HARTMAN. Galveston, Tex.
M. D., University of Texas, 1907. *Pathology.*

GEORGE HAY. Johnstown, Pa.
M. D., Jefferson Medical College, 1903. *Full Course.*

ELAM D. HAYSMER. Washington, D. C.
M. D., Vanderbilt University, 1912. *Full Course.*

FREDERICK E. HESSER. Baltimore.
M. D., Southern Homeopathic Medical College, 1904. *Digestive Apparatus.*

FRANK A. HORNADAY. Washington, D. C.
M. D., George Washington University, 1910. *Clinical Microscopy and Serum Diagnosis.*

CLINTON L. HYATT. Kissimee, Fla.
M. D., North Carolina Medical College, 1908. *Nose and Throat.*

JOHN R. KLOOS. Montezuma, Ia.
M. D., Drake University, 1913. *Full Course.*

CLARENCE V. LITTLE. Jolly, O.
M. D., Starling Medical College, 1906. *Full Course.*

EDWARD S. LOGE. Milwaukee, Wis.
M. D., Wisconsin Coll. P. and S., 1907. *Full Course.*

JAMES W. MCCARVER. Brownwood, Texas.
M. D., University of Texas, 1898. *Full Course.*

H. C. McRee. Hartselle, Ala.
M. D., University of Nashville, 1898. *Full Course.*

Leland S. Madden. Weston, Ore.
M. D., Medical Chirurgical College, 1906. *Full Course.*

Judson D. Moschelle. Indianapolis, Ind.
M. D., Indiana Medical School, 1902. *Full Course.*

John P. Padgham. Dayton, Ia.
M. D., State University of Iowa, 1909. *Medical Course.*

John H. Page. Jamestown, N. Y.
M. D., University of Buffalo, 1902. *Full Course.*

Guy S. Peppers. Titusville, Fla.
M. D., Baltimore Medical College, 1911. *Surgical Course.*

George A. Plummer. Cresco, Ia.
M. D., Keokuk Medical College, 1902. *Full Course.*

Harry P. Poston. Bonne Terre, Mo.
M. D., Washington University, 1907. *Full Course.*

John H. Powers. Winfield, Kans.
M. D., Kansas City Medical College, 1904. *Full Course.*

Olga V. Pruitt. Anderson, S. C.
M. D., Woman's Medical College of Baltimore, 1910. *Anesthesia and Clinical Microscopy.*

David P. Rettew. Coatsville, Pa.
M. D., University of Pennsylvania, 1890. *Full Course.*

John W. Riley. Oklahoma City, Okla.
M. D., University of Buffalo, 1901. *Full Course.*

Robert H. Riley. Oklahoma City, Okla.
M. D., University of Oklahoma, 1913. *Pathology.*

Foy Roberson. Durham, N. C.
M. D., Jefferson Medical College, 1909. *Full Course.*

Francis D. Roelkey. Dallas, Tex.
M. D., Maryland Medical College, 1905. *Full Course.*

Barney Rogan. Selma, Ala.
M. D., Chattanooga Medical College, 1896. *Full Course.*

Harry W. Rosenthal. Baltimore.
M. D., College of P. and S. (Balt.), 1914. *Pediatrics.*

Joseph Schwarz. Mobile, Ala.
M. D., Tulane University, 1901. *Medical Course.*

Edward R. Still. Washington, D. C.
M. D., University of Pennsylvania, 1889. *Percussion and Auscultation.*

Parke W. Stuart. New Baltimore, Mich.
M. D., Detroit College of Medicine, 1886. *Full Course.*

B. Kurt Stumberg. St. Charles, Mo.
M. D., Maryland Medical College, 1900. *Full Course.*

Arnold C. Surmann. Post, Tex.
M. D., University of Texas, 1913. *Medical Course.*

Edward M. Vaughan. Middletown, Del.
M. D., Jefferson Medical College, 1905. *Medical Course and Pediatrics.*

William L. Vroom. Ridgewood, N. J.
M. D., University of City of New York, 1888. *Pediatrics, Nose and Throat, and Surgical Diagnosis.*

William J. Weese. Ontario, Ore.
M. D., Johns Hopkins Medical School, 1911. *Digestive Apparatus.*

William H. Weirich. Jacksonville, Ill.
M. D., Bennett Medical School, 1909. *Full Course.*

Hugh G. Welpton. Des Moines, Ia.
M. D., Drake Medical College, 1897. *Full Course.*

Homer H. Wheeler. Indianapolis, Ind.
M. D., Central College P. and S. (Indianapolis), 1897. *Full Course.*

Thomas E. Wright. Monroe, La.
M. D., Tulane University, 1909. *Full Course.*

Wade H. Young. Sisterville, W. Va.
M. D., University College of Medicine. *Medical Course.*

Amelia V. Zimmerman. Baltimore.
M. D., Southern Homeopathic Med. College, 1895. *Full Course.*

REGISTER OF GRADUATES OF THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY

A—List of Doctors of Medicine of the Johns Hopkins University

B—Places of residence of the Medical Graduates of the Johns Hopkins University

C—Publications of the Instructors and Graduates of the Medical Department of the Johns Hopkins University

DOCTORS OF MEDICINE OF THE JOHNS HOPKINS UNIVERSITY

(When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.)
Students receiving degrees at other times than the Commencement in June are placed in a separate group at the end of each class list.

1897

Bardeen, Charles Russell—A. B., Harvard, 1892; Asst., Assoc., and Assoc. Prof. of Anatomy, 1897-04.—Prof. of Anatomy and Dean Med. Sch., Univ. of Wisconsin, Madison.

Brown, Thomas Richardson—A. B., 1892; Resident House Officer, 1897-98; Asst. Physician and Assoc. in Medicine, 1898-14; Assoc. Editor, Maryland Med. Journal; Assoc. in Clin. Med. and Phys. in Chg. Gastro-Intest. Diseases; Phys., Baltimore.

***Davis, Walter S.**—S. B., Amherst, 1893; Resident House Officer, 1897-98.

Hamburger, Louis Philip—A. B., 1893; Resident House Officer, 1897-98; Assoc. and Phys. in Chg. Med. Clinic, J. H. Disp., 1898-14.—Attending Physician, Union Prot. Infirmary, Hebrew Hosp., Hosp. for Women of Md., Church Home and Infirmary, Children's Convales. Home; and Assoc. in Clin. Med. and Dispen. Physician and Physician, Baltimore.

Hunner, Guy LeRoy—S. B., Wisconsin, 1893; Resident House Officer, Asst. Resident and Resident Gynecologist and Instr., 1897-02.—Associate in Clin Gynecol. and Asst. Visit. Gynecol.; Physician, Baltimore.

Lyon, Irving Phillips—A. B., Yale, 1893; Resident House Officer, 1897-98.—Asst. Prof. Clinical Med., and Librarian, Univ. of Buffalo; Asst. Attending Physician, Buffalo Gen'l Hosp., and Physician, Buffalo, N. Y.

MacCallum, William George—A. B., Toronto, 1894; Resident House Officer, Resident Bacteriologist, and Asst. Resident Pathologist, 1897-00; Assoc. in Pathol. and Assoc. Prof. of Pathology, 1900-08; Prof. Path. Physiol., Lecturer in Forensic Med., 1908-09, and Resident Pathologist, 1900-09.—Visit'g Pathol., Presbyterian Hosp. and Prof. Pathol., Columbia, N. Y.

McBryde, Charles Neil — S. B., South Carolina, 1891; M. S., Va. Polytech. Inst, 1892; Ph. D., George Washington, 1911.—Senior Bacteriol., Dept. of Agriculture, Washington, D. C.

Mitchell, James Farnandis—A. B., 1891; Resident House Officer, Asst. Resident and Resident Surgeon, and Instr. in Surgery, 1897-02.—Surg., Providence Hosp., and Surgeon, Washington, D. C.

Nichols, Joseph Longworth—A. B., Harvard, 1893; Fellow in Pathol., 1897-98; Student, Berlin, 1898-99.—Asst. in Lab., Saranac Lake, N. Y.

Opie, Eugene Lindsay — A. B., 1893; Resident House Officer, Fellow, Asst. Instr. and Assoc. in Pathology, 1897-04; Member, Rockefeller Institute for Med. Research, N. Y.; Pathol, Presbyterian Hosp., Co-editor, Jour. Exp. Med., N. Y., 1904-10.—Professor of Pathol. and Dean, Washington Univ. Med. Sch., St. Louis.

Packard, Mary Secord—A. B., Vassar, 1892; Harvard Summer Sch., 1893; Resident House Officer, 1897-1898; Physician, Kingsley House (Coll. Settlement), Pittsburgh, 1898-00; Pathologist, New Eng. Hosp., Boston 1902-03.—Arnold Mills, R. I.

Pancoast, Omar Borton—S. B., Swarthmore, 1893; Resident House Officer, 1897-98; Resident Surgeon, Union Prot. Infirmary, 1898-00. — Dispen-Surgeon and Instr. in Clin. Surg., Surgeon, Baltimore.

Penrose, Clement Andariese—A. B., 1893; Resident House Officer, 1897-98.—Member, Visit. Staff, Church Home and Infirmary, and Physician, Baltimore.

Strong, Richard Pearson—Ph. B., Yale, 1893, and Sc. D., 1914; Resident House Officer, 1897-98; Asst. Surg., U. S. Army, in charge Army Path. Lab., Manila, 1899-01; Chief Gov't Biol. Lab'y, U. S. A.; Phys. in Chief, Philippine Gen'l Hosp., and Prof. Tropical Med., The Philippine Med. Sch., Manila, 1901-13. — Prof. Tropical Medicine and Chief of Dept., Harvard Med. Sch., Boston. (15)

1898

Baer, William Stevenson—A. B., 1894; Resident House Officer and Asst. Resident Surgeon, 1898-00; Asst., Instr. and Assoc. in Orthopedic Surgery, 1900-10.—Visiting Orthoped. Surg., Cambridge Hosp., Union Prot. Infirmary, Church Home, Robt. Garrett Hosp. for Children and Home for Incurables; Surg. in Chg. Ortho. Disp. and Associate Prof. Clin. Ortho. Surg.; Member, Alumni Council.

Calvert, William Jephtha—A. B., Kentucky, 1893; 1st Lieut. and Asst. Surgeon, U. S. A., Fort McHenry, 1898-02; Lecturer, Tropical Diseases, Washington Univ., St. Louis, 1902-03; Prof. Physical Diag. and Clin. Pathol., Univ. of Missouri, Columbia, 1903-09; Baylor University, Dallas, Texas, 1910-11; Prof. Preventive Medicine, U. of Mo., Columbia, 1911-14.—Physician, Dallas, Tex.

Cassidy, Patrick Joseph — A. B., Yale, 1894; Asst. Resident Physician, Backus Hosp., 1898-99; Visit. Surg. Harris Mem. Hosp., 1899-06.—Visiting Pathol. and Surg., Backus Mem. Hosp.; Councilor, Conn. State Med. Assn., and Physician, Norwich, Conn.

***Coe, John Williams**—Ph. B., Yale, 1893; Senior Asst., House Staff., Presbyterian Hosp., N. Y., 1898-1899, and Resident Physician, 1899-00.—Asst. Clin. Pathol., Cornell Univ., and Physician, N. Y. (Died at New York, March 6, 1911).

Dawson, Percy Millard — A. B., 1894; Fellow, Asst. Instr., Assoc. and Assoc. Prof. of Physiology, 1898-09; Spec. Student, Harvard Divinity Sch., Cambridge, Mass., 1909-10; Minister, 1st Unitarian Church, Ann Arbor, Mich., 1910-12.—Asst. Prof. of Physiol., Univ. of Wis., Madison.

Elting, Arthur Wells—A. B., Yale, 1894; Resident House Officer, 1898-99; Asst. in Pathol., Albany Med. Sch., 1899-00.—Surgeon, Child's Hosp., Albany Hosp., St. Peter's Hosp.; Prof. of Surgery, Albany Med. Sch.; Surgeon, Albany, N. Y.

Ford, William Webber—A. B., Adelbert, 1893; D. P. H., McGill, 1900; Resident House Officer, 1898-99; Fellow, Pathol., McGill Univ., 1899-01; Fellow, Rockefeller Inst. for Med. Research, Inst. for Infectious Diseases, Berlin, 1901-02, and J. H. U., 1902-03; Instr. and Assoc. in Bacteriol., 1903-06.—Assoc. Prof. of Hygiene and Bacteriology and Lecturer in Legal Medicine.

Hastings, Thomas Wood—A. B., 1894; Resident House Officer, 1898-99; Surgeon, Hospital Ship "Maine," 1899-00.—Prof. Clinical Pathol., Cornell Univ. Med. Coll.; Asst. Attend. Physician, Bellevue Hosp.; Physician, N. Y.

Herrick, Alfred Birch—A. B., Williams, 1894; Res. House Officer, 1898-99; Res. Physician, National Soldiers' Home, 1899-00; Res. Surgeon, Barnes Hosp., Washington, D. C., 1900-04; Chief Surg. Clinic, Ancon Hosp., C. Z.

Knox, James Hall Mason, Jr. — A. B., Yale, 1892, and Ph. D., 1894, A. M., Lafayette, 1896; Res. House Officer, Asst. and Instr. in Pediatrics, 1898-09.—Asst. Visit. Pediatrician, Dispen. Phys. and Assoc. in Clin. Pediatrics; Physician in Charge, The Thomas Wilson Sanitarium; Med. Direct. Babies Milk Fund Assn. and Physician, Baltimore; Member, Alumni Council.

Langfeld, Millard—A. B., 1893. — Prof. Clin. Med., Creighton Med. Coll.; Bacteriolog., Omaha City B'd Health; Physician, St. Joseph's and Contagious Hospitals, Member Omaha Milk Com.; Physician, Omaha, Neb.

Light, Gertrude Underhill—S. B., Wisconsin, 1894; Physician, Randall's Island Hosp. for Children, N. Y., 1898-99; Demonstrator, Pathol., Wisconsin Coll. of P. and S., 1899-00; Clinical Asst., Bellevue Hosp. Disp., 1900-02.—Sanitary Inspector, Tenement House Dept., New York.

Madison, James Daniel—S. B., Wisconsin, 1894; Resident House Officer, 1898-99; Asst. Resident Physician, Danvers Insane Hosp., Mass., 1899-02.—Visit'g Physician, Milwaukee Hosp., Johnson Emerg. and County Hospitals, Prof. Clin. Med., Marquette Univ. Med. Sch., and Physician, Milwaukee.

Marshall, Harry Taylor—A. B., 1894; Resident House Officer, 1898-99; Fellow, 1899-00; Asst. Resident Pathologist, and Instr. in Pediatrics, 1900-06; Pathologist, Bureau of Science, and Prof. Pathol. and Bacteriol. Sec. and Registrar, The Philippine Med. Sch., Manila, 1906-08.—Prof. Pathol. and Bacteriol., Univ. of Va., Charlottesville.

Perkins, Roger Griswold—A. B., Union, 1893, and Harvard, 1894; Resident Pathologist, Lakeside Hosp., Cleveland, 1898-01; Lect. in Bacteriol., West. Reserve Med. Sch., Cleveland, 1901-04; Asst. and Assoc. Prof. of Pathol. and Bacteriol., 1904-10; Prof. of Hygiene and Preventive Med., Cleveland.

Porter, Katherine — A. B., Bryn Mawr, 1894; House Physician, and Asst. Surg., N. Y. Infirmary for Women and Children, 1898-04; Externe, Orange Memorial Hosp. Disp., 1900-07; Physician, Children's Aid and Protective Society of the Oranges; Med. Insp., Orange Public Schools and Physician, Orange, N. J.

Pratt, Joseph Hersey — Ph. B., Yale, 1894; A. M., Harvard, 1901; Asst. Pathologist, City Hosp., Boston, 1898-00; Instr. Pathol., Harvard; Asst. Visiting Pathologist, City Hosp., and Asst. Pathologist, Children's Hosp., Boston, 1900-02.—Instr., Theory and Practice of Physic, Harvard; Asst. Visit'g Phys., Mass. Gen'l Hosp., Boston; Consult. Phys., Brockton Hosp. and Rufus S. Frost Hosp. of Chelsea; Phys. Boston; Member, Alumni Council.

Sands, Georgiana—A. B., Vassar, 1893; Grad. Student, Barnard, 1893-94;

Resident House Officer, 1898-99—Physician, Port Chester, N. Y.

Schenck, Benjamin Robinson—A. B., Williams, 1894; Resident House Officer Asst. Resident and Resident Gynecologist, and Instr., 1898-03.—Assoc. Prof. Gynecol., Detroit Coll. Med. and Surg.; Jr. Attend. Gynecol., Harper Hosp., Consult. Obstet., Woman's Hosp., and Physician, Detroit.

Steiner, Walter Ralph—A. B., Yale, 1892, and A. M., 1895; Grad. Student, 1892-94; Resident House Officer, 1898-99; Asst. Visit'g Physician, Hartford Hosp., Conn., 1905-07; Pathologist and Bacteriologist, 1901-12; Sec. Conn. State Med. Soc., 1905-12; Consult. Path. and Bact. and Visit'g Physician, Hartford Hosp., Consult. Physician, Middlesex Hosp. and Hartford Orphan Asylum; Sec'y, Cong. Amer. Physicians and Surgeons; Physician, Hartford.

Walker, Emma Elizabeth—A. B., Smith, 1887.—Asst. Surg., Hosp. for Ruptured and Crippled; Member, N. Y. Co. and State Med. Soc., N. Y. Acad. of Med., Woman's Med. Assn., Women's Med. Soc. of N. Y. State, Lect. for Amer. Soc. Sanitary and Moral Prophylaxis, and Physician, New York.

***Whitridge, Andrew Henderson** — S. B., Harvard, 1894; Resident House Officer, 1898-99.—Physician, Baltimore. (Died, March 19, 1912.) (22)

1899

Brownell, Edward Erle — Ph. B., Yale, 1895; Resident House Officer, 1899-00.—San Francisco.

Buckler, Humphrey Warren—A. B., 1895; Resident House Officer and Asst. in Obstetrics, 1899-06; Member, State Tuberculosis Comm.; Attend. Physician, Md. Hosp. for Consumptives; Supt., Dr. H. A. Kelly's Private Hosp., and Physician, Baltimore.

Cole, Rufus Ivory — S. B., Michigan, 1896; Resident House Officer, Asst. Resident, Resident Physician, and Med. Adviser to Med. Students, 1899-1907; Assist. Physician; Assoc. in Med. in Chg. Biol. Div. of Med. Clinic, 1907-09.—Med. Director, Rockefeller Hospital, N. Y.

Davis, John Staige—Ph. B., Yale, 1895; Resident House Officer, 1899-00; Resident Physician, Union Protestant Infirmary, 1900-03.—Dispen. Surgeon and Instr. in Clin. Surg., Surgeon, Baltimore.

Emerson, Charles Phillips—A. B., Amherst, 1894; Resident House Officer; Instructor in Med. and Asst. Resident Physician in chg. of Clinical Lab., 1899-05; Res. Physician; Medical Adviser to Students and Associate in Medicine, 1905-08; Supt. Clifton Spgs. Sanitarium, N. Y., 1908-1911.—Dean and Prof. of Medicine, Indiana University Sch. of Med., Indianapolis.

Epler, Blanch Nettleton—S. B., California, 1895; House Physician, Randall's Island Hosp. for Children, and Interne, N. Y. Infirmary for Women and Children, 1899-00.—City Bacteriol. and Exam. for State Sanatorium for Tuberculosis; Instr. Anat. West State Normal, and Physician, Kalamazoo, Mich.

Erlanger, Joseph—S. B., California, 1895; Resident House Officer; Fellow in Pathol.; Asst., Instr., Assoc. and Assoc. Prof. of Physiology, 1899-06; Prof. of Physiology, Univ. of Wisconsin, Madison, 1906-10.—Prof. of Physiology, Washington Univ., St. Louis.

Evans, Philip Saffery, Jr.—A. B., Yale, 1895; Intercollegiate Sec., Y. M. C. A., Balt., 1899-00; Clinical Asst. in Surgery, 1900-01; Medical Missionary, Yang Chow, China, 1901-11.—Prof. Pathol., Med. Dept., Univ. Nanking, Nanking, China.

Follis, Richard Holden — Ph. B., Yale, 1895; Externe; Asst. Resident Surgeon, Resident Surgeon and Inst. in Surgery, 1899-05.—Dispen. Surg., Assoc. in Clin. Surgery and Asst. Visit. Surg.; Surgeon, Baltimore.

Fulton, Frank Taylor—S. B., Knox, 1894; A. B., 1895; Pathol. Interne, City Hosp., Boston, 1899-00; Pathologist and Director Pathol. Lab., R. I. Hosp., 1900-09.—Visit. Phys. R. I. Hosp. and Providence City Hosp., Consult. to Pawtucket Mem. Hosp. and Woonsocket Hosp., and Physician, Providence.

***Gallagher, James Daton**—A. B., 1895; Physician, Private Wards, Lakeside Hosp., Cleveland, O., 1899-00.

Harris, Henry—A. B., Stanford, 1895; Resident House Officer, 1899-00. Instr. Princ. and Prac. of Med. and Visiting Physician, Hebrew Orphan Asylum, Cal., Women's Hosp. and Mt. Zion Hosp. and Physician, San Francisco.

Hoye, Henry Joseph — A. B., Brown, 1895; Surg. Interne, and House Surg., City Hosp., Boston, 1899-01.—Asst. Visit. Surg., R. I. Hosp.; Physician, Providence.

Ladd, Louis Williams—A. B., Yale, 1895; Acting Asst. Resident Physician, 1899-00; Resident Physician, Lakeside Hosp., 1900-01.—Lecturer Clin. Microscopy, Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp., Cleveland.

***Little, Charles Sumner**—A. B., Wabash, 1894, and A. M., 1903; Assoc. in Pathol., Central Coll. of P. and S., Indianapolis, 1903-05; Lect. Pathol., Clin. Med., Purdue Univ.; Patholo-

gist, City Hosp. and Physician to Day Nursery, Indianapolis, Ind., 1905-07. (Died, December 13, 1913.)

Luetscher, John Arthur—S. B., Wisconsin, 1895; Resident House Officer, 1899-00; House Physician, City Hosp., Boston, 1900-01; Asst. and Instr. in Medicine, 1905-13. — Assoc. in Clin. Medicine, and Physician, Baltimore.

Lupton, Frank Allemong—S. B., Alabama Polytech. 1891, and M. S., 1892; Grad. Student, 1893 - 94. — Member, Committee of Health, Jefferson Co.; Prof. of Obstetrics, Birmingham Med. Coll., and Obstetrician, Hillman Hospital, Birmingham, Ala.

Lynch, Frank Worthington—A. B., Adelbert, 1895; Asst. Resident and Resident Obstetrician; Chief of Obstet. Clinic, and Assoc. in Obstetrics, 1899-03.—Asst. Prof. of Obstetrics and Gynecology, Rush Med. Coll.; Attend. Obstet. and Gynecol., Presbyterian Hosp.; Visit'g Obstet., St. Joseph's Hosp.; Editor, Chicago Gyne. Soc., Chicago.

Magee, Chester Lea — A. B., Stanford, 1895, and A. M., 1896; Asst. Resident Physician, City Detention Hosp., Balt., 1899-00; Instr. San Diego Training Sch. for Nurses, 1900-02; Asst. Surg. Santa Fe R. R., 1903-12; Assoc. in Physiol., Coll. P. and S., 1907-08.—Physician, Los Angeles.

Moore, Hugh Miller—B. Sc., and M. Sc., Miami, 1895.—Member, Amer. Acad. Med. and Physician, Oxford, O.

***Ottley, Charles Williams**—A. B., Princeton, 1893 and A. M., 1903; Traveling Secy. Student Volunteer Movement for Foreign Missions, N. Y., 1899-00; House Physician, Blackwell's Island, Dept. of Charities, N. Y., 1900-01; Prof. Biology, and College Physician, Robert Coll., Constantinople, 1901-04; Physician and Surg., Anatolia Coll., Hosp., Marsovan, Turkey, 1904-05; Student, Vienna and Berlin, 1905-1906.

Owsley, Paul Octavius — Ph. B., Yale, 1895; Asst. Resident Surgeon, St. Joseph's Hosp., Balt., 1899-01.—Instr. Clin. Gynecology, N. W. Med. School; Attending Surg. Cook Co. Hosp., and Physician, Evanston, Ill.

Pleasants, Jacob Hall—A. B., 1895; Resident House Officer, 1899-00; Asst. in Med., 1901-06.—Assoc. Prof. Clin. Medicine, Coll. P. and S. Balt.; Pres't. Dept. Charities and Corrections; Dispen. Physician, and Instructor in Clin. Medicine; Physician, Baltimore; Member, Alumni Council.

Rosenheim, Sylvan—A. B., 1895; Asst. and Clinical Asst. in Laryngology, 1903-07.—Laryngologist, Hebrew, Eudowood, and Jewish Hospitals for Consumptives; Aural Surg., Balt. Eye, Ear and Throat Charity Hosp.; Physician, Baltimore.

Sampson, John Albertson —A. B., Williams, 1895; Resident House Officer, 1899-00; Asst. Resident and Resident Gynecologist, and Asst. in Gynecol., 1900-04.—Gynecol, Albany Hosp. and So. End Disp., and Prof. Gynecol., Albany Med. Sch., and Physician, Albany, N. Y.

Steensland, Halbert Severin—S. B., Wisconsin, 1895; Pathol. House Officer, City Hosp., Boston, 1899-00; Lect., Pathol. and Bact. and Director Path. Lab., Syracuse Univ., and Assoc. Prof. and Director, 1900-08; Prof. Pathol. and Bact., and Director, Pathol. Lab., 1908-12.—Prof. Pathol. and Dir. Path. Laby., Syracuse Univ., Syracuse, N. Y.

Stone, William Ridgely—A. B., Princeton, 1895; Interne, Blackwell's Island, Dept. of Charities, N. Y. City, 1899-00.—Asst. Visiting Obstetrician, Maternity Hosp., Blackwell's Island, and Physician, New York.

Strobel, Edgar Randolph—A. B., 1895; Externe, 1899-00; Assoc. Prof. Dermatol., Univ. of Maryland; Instr. and Dispen. Dermatol.; Physician, Baltimore.

Verhoeff, Frederick Herman — Ph. B., Yale, 1895; A. M., Harvard, 1902; Externe; Asst. Surgeon, Balt. Eye, Ear and Throat Charity Hosp., 1899-00; Asst. in Path., Harvard Med. Sch., 1900-02; Asst. Ophthal. Surg., Carney Hosp., 1902-06.—Pathologist and Ophthal. Surg., Mass. Charitable Eye and Ear Infirmary; Instr., Ophthalmic Pathol., Harvard, and Physician, Boston.

Williams, William Whitridge — A. B., 1895; Resident Physician, St. Joseph's Hosp., Balt., 1899-00; Asst. Univ. of Prague, 1900-01; Asst. Pathol., Harvard, 1901-03; Graduate Asst., Out-Patient Dept., Mass. Gen'l Hosp., 1903-05; Asst. in Pharmacol., West Reserve Univ., Cleveland, 1905-08; Director, Webb Tuberculosis Research Lab., Colorado Springs, 1908-11.—Consult., Cragmor Sanitorium, Colorado Springs, and Physician, Denver, Colo.

Wyckoff, Sarah Delia—S. B., Wellesley, 1894; Resident House Officer, 1899-00.—Attend. Physician, State Disp. for Tuberculosis; Lect., Domestic Science and Hygiene, High School; Med. Exam., Wyoming Seminary, and Physician, Wilkes-Barre. Pa.

Yates, John Lawrence — Ph. B., Yale, 1894; S. B., Wisconsin, 1895; Resident House Officer, Asst. Resident Surgeon, and Asst. in Pathol., 1899-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Pathologist, and Chief Surg. Asst., Augustana Hosp., Chicago, 1904-06.—Surgeon, Milwaukee.

Davis, Frank Curtiss — A. B., Amherst, 1895.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.) (33)

1900

Akerman, Joseph—A. B., Georgia, 1894, and Grad. Student, 1895-96; Resident Physician and Surgeon, Presbyterian Hosp., Philadelphia, 1900-02; Supt., Walker Memorial Hosp., Wilmington, N. C., 1902-06.—Surgeon, Wilmington, N. C.

Allen, Herbert Williams—S. B., California, 1896; Resident House Officer, 1900-01; Resident Physician, Lakeside Hosp., Cleveland, 1901-02.—Instr. in Med., Med. Dept. Univ. of Calif., and Physician, San Francisco.

Austin, Mabel Fletcher — (Mrs. E. E. Southard), S. B., Minnesota, 1893; Pathologist and Interne, City and County Hosp., St. Paul, 1900-02; Pathologist, New England Hosp., Boston, 1903-06; Assoc. Prof. Hygiene, and Med. Director, Wellesley Coll., 1906-08.—Cambridge, Mass.

Beale, Alma Emerson—A. B., Wellesley, 1891; Marine Biological Lab., 1893; Externe, 1900-01; Resident Physician, Evening Disp. for Working Women and Girls, Balt., 1900-01; Interne, N. Y. Infirmary for Women and Children, 1901-02; Health Officer and Physician, Schaghticoke, N. Y., 1902-12; Physician, Henry Watson Children's Aid Soc., Baltimore, 1912-13.—Physician, Schaghticoke, N. Y.

***Bettmann, Milton** — A. B., Harvard, 1897; Resident House Officer, 1900-01; Student, Univ. of Berlin, 1901-02.

***Briggs, Evelyn**—A. B., Stanford, 1896.

Brown, Lawrason—A. B., 1895; Resident Physician, Adirondacks Cottage Sanitarium, 1900-12; Attend. Physician, 1912.—Visit. Phys., Recep'n Hosp., and Physician, Saranac Lake, N. Y.

Brülle, Herman—A. B., and S. B., Hampden-Sidney, 1895; Grad. Student, 1895-96; Externe, 1900-01.—Medical Agent, City Charities and Physician, Baltimore.

Burnam, Curtis Field — A. B., Central Univ., Ky., 1895; Grad. Student, 1895-96; Resident House Officer, Asst. Resident and Resident Gynecologist, 1900-04; Assoc. in Gynecol., 1904-14; Surg. in Chief, Cambridge Hosp., and Physician, Baltimore.

Chittenden, Arthur Smith—A. B., Yale, 1896, and A. M., 1899; F. A. C. S. House Surgeon, N. Y. Hosp., 1900-02.—Asst. in Path., Columbia, 1903-04; Visiting Pathologist, Lincoln Hosp., 1904-05. — Surg., Binghamton State Hosp.; and Surgeon, Binghamton, N. Y.

Christian, Henry Asbury — A. B. and A. M., Randolph-Macon, 1895, and Grad. Student, 1895-96; A. M., Harvard, 1903; Asst. Pathol., City Hosp., Boston, 1900-02; Instructor., Pathol., Harvard; Asst. Visiting Pathologist, City Hosp. and Children's Hosp., Boston, 1902-05; Asst. Visiting Physician, L. I. Hosp., 1905; Physician in chief, Carney Hosp., Boston, 1907-12; Dean, Faculty of Med. and Medical School, Harvard, 1908-12.—Hersey Prof. Theory and Practice of Physic, Harvard; Physician in chief, Peter Bent Bingham Hosp., and Physician, Boston.

Dancy, William Remshart—S. B., Georgia, 1896; House Physician (1900-01) and Surgeon, Seney M. E. Hosp., Brooklyn, N. Y., 1901-02; Grad. Student, Universities Berlin and Vienna, 1902-03; Res. Supt., Savannah Hosp., 1903-04.—Inst'r. Savannah Hosp. Tr. Sch. for Nurses and Telfair Hosp. Tr. Sch.; Member Attend. Staff, Savannah Hosp., Member Board Sanitary Commissioners, and Physician, Savannah, Ga.

Eggers, Augustus Hartje—Ph. B., Yale, 1896.—Physician, Pittsburgh, Pa.

Evans, Henry Courtney—A. B., Adelbert, 1896; Interne, Western Penna. Hosp., Pittsburgh, 1901-02.—Physician, Youngstown, O.

Fairbank, Rose — (Mrs. Rose Fairbank Beals), A. B., Smith, 1895.—Asst. Resident Physician, Hosp. Union Missionary Society, Jhansi, India, 1901-05.—Physician, Amer. Morathi Mission Hosp., Wai, India.

Farrar, Clarence B. — A. B., Harvard, 1896; Grad. Student, Heidelberg, 1902-04; Research Asst., Carnegie Inst. of Wash., 1904-06; Instr. in Psychiatry, 1906-08; Asst. Physician and Director, Laboratory, Sheppard and Pratt Hosp., Towson; Visit'g Physician, City Detention Hosp., Bay View; Asst. Neurol. and Assoc. in Psychiatry, 1908-13. — Asst. Phys., State Hosp.. Trenton, N. J.

Fisher, Arthur Lawrence—S. B., California, 1896; Resident House Officer, 1900-01; Fellow, Rockefeller Inst for Med. Research, 1901-02; Asst. Visiting Surg., Mt. Zion Hosp., 1902-08; Asst. in Surg., Cooper Med Sch., 1907-12.—Asst. Orthoped. Surg., Med. Dept., Stanford, and Physician, San Francisco.

Fisher, William Alexander, Jr.—A. B., Princeton, 1896; Resident House Officer, 1900-01; Res. Physician, Union Protestant Infirmary, Balt., 1901-02.—Visit. Surg., U. P. I., Church Home and Infirm, Hosp. Women of Md. and Children's Hosp.; Instr. in Clin. Surg., Dispen Surg. and Surgeon, Baltimore.

Fletcher, Howard — A. B., Randolph-Macon, 1895, and Grad. Student, 1895-96.—Physician, Fairfax, Va.

Flint, Joseph Marshall—S. B., Chicago, 1895; A. M., Princeton, 1900, and Yale, 1907; Assoc., Univ. of Chicago, 1900-01; Prof. Anatomy, Univ. of California, 1901-07.—Prof. Surg., Yale Univ., New Haven, Conn.

Healy, William Patrick—Ph. B., Yale, 1896; Interne, N. Y. City Hosp., 1900-02; Gynecol. Interne, Roosevelt Hosp., N. Y., 1902-03; Asst. Gynecol., Vanderbilt Clinic and Clin. Instr. Gynecology, Coll. P. and S. (N. Y.), 1903-08.—Asst. Surg., Fordham Hosp. and J. Hood Wright Hosp.; Jr. Gynecol., Roosevelt Hosp., Attend Gynecol. Misericordia Hosp.; Dean and Prof. Gynecol., Fordham Univ. Sch. of Med., N. Y.

***Hendrickson, William Faithful** — A. B., 1896; Asst. Demonstrator Pathol., Univ. of Pennsylvania, 1900-02.

Hewlett, Albion Walter — S. B., California, 1895; House Physician, N. Y. Hosp., 1900-02; Asst. Prof. Princ. and Pract. of Med., Cooper Med. Coll., San Francisco, 1906-08.—Prof. Int. Med. and Director of Clin. Lab., Univ. of Mich., Ann Arbor.

Kellogg, William Crissey—A. B., Yale, 1896; Resident Physician, Soldiers' Home, Washington, 1900-01.—Clin. Prof. Eye, Ear, Nose and Throat, Univ. of Georgia; and Physician, Augusta, Georgia.

Kyes, Preston — A. B., Bowdoin, 1896, and A. M., 1900. — Asst. Prof. Preventive Med., Univ. of Chicago.

***Lebus, Leona**—S. B., Wellesley, 1889.—Los Angeles, Cal. (Died, November 20, 1908.)

Lewis, Warren Harmon — S. B., Michigan, 1894, and Asst., 1894-96; Asst. Instr., Assoc. and Assoc. Prof. in Anat., 1900-13.—Prof. of Physiological Anatomy.

Little, Harry Wilson — S. B., Wabash, 1896, A. M., 1905; House Physician, Maternity, City and Epileptic Hosps., Blackwell's Island, N. Y., 1901-03.—Pres. and G. M. the S. W. Little Coal Co., Evansville, Indiana.

Lowell, Ellen Louise—(Mrs. A. D. Stevens), A. B., Stanford, 1896; Resident Physician, N. Y. Infirmary for Women and Children, 1900-02; Asst. Gen'l Med. Clinic, Presbyterian Hosp. Disp., 1902-03; Asst. Babies' Hosp. Disp., Chief of Children's Clinic, Harlem Hosp. Out-Patient Dept., N. Y., 1903-04. — Physician, Jacksonville, Fla.

***MacCallum, John Bruce**—A. B., Toronto, 1896; Asst. in Anatomy, 1900-02; Asst. Prof. Physiology, Univ. of California, 1902-06.

Marvell, Mary Wilbur—S. B., Wellesley, 1894; Interne, New England Hosp., Roxbury, 1900-01.—Physician, Fall River, Mass.

Meltzer, Clara—(Mrs. John Auer), A. B., Barnard, 1896; Grad. Student, 1900-01; Research Scholar, Rockefeller Inst. for Medical Research; Ophthalmologist, Harlem Hosp. Disp., 1901-03.—Clin. Asst. and Asst. Surg., N. Y. Eye and Ear Infirmary, 1901-11; Ophthalmologist, N. Y. Infirmary for Women and Children, 1908-13.—New York.

Mosher, Clelia Duel — A. B., Stanford, 1893 and A. M., 1894; Asst. and Instr., Hygiene, Stanford Univ., 1893-96; Gynecological Asst., Dr. Kelly's Sanitarium, Baltimore, and Externe, 1900-01; Spec. Asst. Palo Alto Board of Health for Study of Typhoid fever epidemic of April, 1903.—Asst. Prof. Hygiene and Med. Adviser to Women, Stanford Univ., and Physician, Palo Alto, Cal.

Myrick, Hannah Glidden—A. B., Smith, 1896; Interne, New England Hosp., Roxbury, 1900-01.—Asst. Res. Physician, N. E. Hosp. for Women and Children, and Physician, Boston.

***Oliver, Edward Spiller**—A. B., 1895.

Rand, Richard Foster—Ph. B., Yale, 1895, and Grad. Student, 1895-96; Resident House Officer, 1900-01; Resident Surgeon, Parker Hosp., Univ. of Missouri, Columbia, 1901-02.—Asst. Surg'l and Gynecol. Clinics, Yale Univ.; Asst. Obstet., New Haven Hosp., and Physician, New Haven, Conn.

Reed, Dorothy M.—(Mrs. Charles E. Mendenhall), B. L. Smith, 1895; Grad. Student, Mass. Inst. of Tech., 1895-96; Resident House Officer, and Fellow in Pathol., 1900-02; Resident Physician, Babies' Hosp., N. Y., 1902-06.—Madison, Wis.

Rusk, Glanville Yeisley—A. B., 1896; Resident House Officer, 1900-01; Asst. Physician, Sheppard and Pratt Hosp., Asst. in Psychiatry and Clinical Asst. in Neurology, 1902-03; Path. Institute, Ward's Island, N. Y., 1903-10.—Asst. Prof. Pathol., Univ. of Calif., Berkeley.

Sabin, Florence Rena—S. B., Smith, 1893, Sc. D., 1910, and Asst. in Zoölogy, 1895-96; Resident House Officer, 1900-01; Holder Women's Fellowship in Anatomy, 1901-02; Asst., Instr. and Assoc. in Anatomy, 1902-05.—Co-Editor, Anatomical Record and Assoc. Prof. of Anatomy.

Sowers, William Francis Mattingly—A. B., Princeton, 1896; Resident House Officer, Asst. Resident, Resident Surgeon; Assistant and Instr., 1900-07.—Assoc. in Surg., George Washington Univ., Surgeon, Washington, D. C.

Stone, Ellen Appleton—A. B., Radcliffe, 1895; A. M., Brown, 1896; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1901-02; Res. Physician, Children's Hosp., Buffalo, N. Y., 1902-03; Physician, Med. Out-Pat. Dept. for Children, R. I. Hosp., 1906-12.—

Supt., Child Hygiene, Health Dept., and Physician, Providence.

Warren, Mortimer—A. B., Bowdoin, 1896; Externe, City Hosp., Boston, 1900-01. —Director, Pathol. Lab., Roosevelt Hosp., and Physician, New York.

Woolley, Paul Gerhardt—S. B., Chicago, 1896; Resident House Officer, 1900-01; Fellow in Pathol., McGill Univ., Montreal, 1901-02; Pathol. Biol. Lab. and Director, Gov't Serum Lab., U. S. A., Manila, 1902-06; Chief, Siamese Gov't Serum Lab., Phrapatoom, Siam, 1906-07; Chief Inspr. Health and Med. Adviser, Dept. Interior, Bangkok, 1907-08; Assoc. Prof. Path. Anat. Univ. of Nebraska, Omaha, 1908-09.—Director Laboratories, Cincinnati Hosp., and Prof. Pathol. and Dean, Faculty of Med., 1910-13, Univ. of Cincinnati, O. (43)

1901

***Atherton, Alexander Montague** — A. B., Wesleyan (Conn.), 1897; Resident Physician, Charity Hosp., Blackwell's Island, N. Y., 1901-02. **Aug.* 28, 1903.

Baetjer, Frederick Henry—A. B., 1897; Resident House Officer, 1901-02.—Assoc. in Actinography and Roentgenol., and Physician, Baltimore.

Baldwin, William Dwight—A. B., Yale, 1897; Clinical Asst. in Medicine, 1901-02; House Physician, St. Luke's Hosp., N. Y., 1903-04.—Haiku, T. H.

Berry, John McWilliams—S. B., Cornell, 1897; Resident House Officer, 1901-02.—Orthoped. Surg. and Roentgenologist, Albany Hosp., Lecturer on Roentgenology, Albany Med. Coll., and Physician, Albany, N. Y.

Blakeslee, Walter Herbert—A. B., Amherst, 1897, and A. M., 1903; Dr. P. H., Penna., 1913; Asst. Resident Physician, N. Y. Lying-in Hospital (6 months); Asst. Med. Examiner, Penna. R. R. Relief Dept., Philadelphia, 1902-08; Resident, Episcopal Hosp., Philadelphia, 1908-09. — Med. Inspector, Dept. Labor and Indust., State of Penna., and Physician, Philadelphia.

Bloombergh, Horace Deschamps—A. B., Lafayette, 1897; First Lieut. Med. Corps, U. S. A., 1901-06; Capt. and Major, Med. Corps, U. S. A., 1907-11. —Member U. S. Army Board for Study of Trop. Diseases, Manila, P. I.

Boggs, Thomas Richmond—S. B., Univ. of Georgia, 1896, and Grad. Student, 1896-97; Resident House Officer and Acting Asst. Resident Physician. 1901-03; Asst. in Med. and Asst. Resident Physician in charge Med. Bact. Lab., Asst. Resident Physician in charge Clin. Laby., 1904-08; Assoc. in Medicine, Res. Physician and Med. Adviser to Students, 1908-11.—Assoc. Prof. Clin. Med., Asst. Visit. Phys.; Phys. in Chief, City Hosp., Bay View.

Bosley, John Robert—A. B., Western Md., 1896, and A. M., 1901; Grad. Student, 1896-97.—Capt. Med. Corps, U. S. A., Fort Hamilton, N. Y.

Bunting, Charles Henry—S. B., Wisconsin, 1896, and Fellow, 1896-97; Resident House Officer, 1901-02; Asst. Demonstrator Pathol., Univ. of Pa., 1902-03; Instr. in Pathol., 1903-04; Pathologist, Bay View Hosp.; Asst. Resident Pathologist and Associate in Pathology, 1904-06; Prof. Pathol. and Pathologist, Univ. Hosp., Univ. of Va., Charlottesville, 1906-08.—Prof. Pathol., Univ. Wisconsin, Madison.

Butler, Joel Ives—Ph. D., Yale, 1897; Acting Resident House Officer, 1901-02; Externe, Surg., Path. and Asst. in Anatomy, 1902-03; Clinical Asst. G.-U. Surg., 1903-04; House Surg., Mass. Gen'l Hosp., Boston, 1904-05; Instr. in Surg., Yale Med. Sch.; Asst. Surg., New Haven Hosp., 1905-11.—Attend. Surg. and Manager, Rodgers Hosp., Tucson, Ariz.

Carey, Harry Wardell—A. B., Yale, 1897; Asst. Pathol., Bender Hygienic Lab., Albany, 1901-03; Instructor, Physiol. Chem., 1908, and Physical Diag., Albany Med. School, 1909-11.—Attend. Physician, Samaritan Hosp., Director, Cluett Path. Lab., Assoc. in Med., Samaritan Hosp., and City Bacteriologist, Troy, N. Y.

Chace, Eleanor Sarah—(Mrs. Edward Herbert), S. B., Wellesley, 1894, Interne, Worcester Memorial Hosp., 1902.—Physician, Fall River, Mass.

Comer, Robert Thornton—A. B., Alabama, 1896; Grad. Student. 1896-97.—Physician, Birmingham, Ala.

Connor, Guy Leartus—A. B., Williams, 1897.—Neurol. Children's Free Hosp. and St. Mary's Hosp., and Neurologist, Detroit, Mich.

Connor, Ray — A. B., Williams, 1897; House Surgeon, Manhattan Eye and Ear Hosp., N. Y., 1902-03.—Ophthalmologist and Otologist, Children's Free Hosp.; Assoc. Clin. Prof. Ophthalmol. and Otology, Detroit Coll. of Med., and Physician, Detroit, Mich.

Drake, George Silas, Jr.—A. B., Yale, 1897, Resident Physician, Union Protestant Infirmary, Balt., 1902-05; Assoc. Surg., St. Louis Free Skin and Cancer Hosp., 1905-09.—Surg. in chief, Social Service Hosp., and Surgeon, St. Louis.

Dutcher, Adelaide — S. B., Wisconsin, 1897; Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Fowler, Harry Atwood—S. B., Minnesota, 1895; Resident House Officer, and

Clinical Asst. Genito-Urinary Diseases, 1901-03.—Assoc., Skin and Venereal Diseases, Eastern Disp. and Casualty Hosp., Prof. G.-U. Diseases, Howard Univ., Physician, Washington, D. C.

Gay, Frederick Parker—A. B., Harvard, 1897; Fellow, Rockefeller Inst. for Med. Research; Asst. Demonstrator of Pathol., Univ. of Penna., 1901-03; Student, Institute Pasteur, Brussels, 1903-06: Bacteriol., Danvers Insane Hosp., 1906-07; Asst. and Instr. in Pathol., Harvard Med. School, 1907-10.—Prof. of Pathol., Univ. of California.

Graham, Neil Duncan—A. B., 1897; Assoc. Prof. Hygiene and Prevent. Med., Howard Univ., and Physician, Washington, D. C.

Hall, Gardner Wells — A. B., Harvard, 1898; Clinical Asst. in Medicine, 1901-02.—Physician, Boston.

Hamman, Louis Virgil—A. B., Rock Hill, 1896; Grad. Student, 1896-97; House Physician, New York Hosp., 1902-03. —Attend. Physician, Maryland Hosp. for Consumptives; Physician in charge, Phipps Disp., Assoc. in Med., and Physician, Balt.

Hastreiter, Rolland Frederick — S. B., Wisconsin, 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst. in Anat. Wis. Coll. of P. and S., 1903-04.—Physician, Los Angeles, Cal.

Hathaway, Joseph Henry—A. B., Iowa, Coll., 1894, and Harvard, 1896, and A. M., 1897; Resident House Officer, 1901-02; Resident Physician, The Glen Springs, Watkins, N. Y., 1902-03; Resident Pathol., Boston Free Hosp. for Women, 1903-04; Instr. in Anat., Cornell, 1905-09; Med. Exam., Cornell Univ. Gym., Ithaca, 1906-09; Prof. Anatomy, Univ. Louiville, Louisville, 1909-13.—Prof. Anatomy, Histol. and Embryol., Detroit Coll. Med. and Surg., Detroit.

Hitzrot, James Morley—A. B., Princeton, 1897; Resident House Officer, 1902; House Surgeon, New York Hosp., 1902-03.—Asst. Prof. Clin. Surg., Cornell Univ.; Assoc. Attend. Surg., N. Y. and Hudson St. Hospitals; Asst. Attend. Surg., Bellevue Hosp., and Physician, New York.

Holden, Gerry Rounds—A. B., Yale, 1897; House Surg., Roosevelt Hosp., N. Y., 1902-03; Resident Gynecologist, and Instr. in Gynecol., 1903-05.—Gynecologist, St. Luke's Hosp. and Fla. Hosp. for Insane at Chattahoochee, and Physician, Jacksonville, Fla.

Hume, Edward Hicks—A. B., Yale, 1897; John W. Garrett International Fellow in Pathol. and Bacteriol., Univ. Coll., Liverpool, 1901-02; Third Asst. Surg. and Clinical Asst. in Medicine, 1902-03, Act. Asst. Surg., U. S. Public Health and Marine Hosp. Service, and Research Worker, Government Laboratory, Parel, Bombay, India, 1903-05. —Physician in chief, Hosp. of Yale Coll., Changsha Hunan Prov., China.

***Johnston, William Bernard**—A. B., Harvard, 1897; Asst. Resident Pathologist, 1901-02.

Kaufman, Harry M.—A. B., 1897; Resident Physician, Jewish Hosp., Philadelphia, 1901-02.—Consult. Physician, German Orphan Asylum; Attend. Physician, Ruppert Home; Consult. Phys. Central Disp. and Emergency Hosp., and Physician, Washington, D. C.

Lamson, Theodore—Ph. B., Yale, 1897; Asst. Resident Physician, Barnes Hosp., Washington, 1901-02. — Capt. Med. Corps., U. S. Army, Ft. Flagler, Washington.

Lewis, Dwight Milton—A. B., Yale, 1897; Medical House Officer, City Hosp., Boston, 1901-03.—Clin. Instr. Med., Yale, Med. Sch.; Pathol. and Asst. Visit. Phys., Hosp. of St. Raphael; Bacteriol. Board of Health, and Physician, New Haven, Conn.

Longcope, Warfield Theobald — A. B., 1897; Resident Pathologist, Penn. Hosp., Philadelphia, 1901-03; Director, Ayer Clinical Lab., Penna. Hosp., 1904-10; Asst. Prof. Applied Med., Univ. of Penna., Philadelphia, 1909-11; Assoc. Prof. Med. Columbia Univ., and Assoc. Attend. Phys. Presbyterian Hosp., N. Y., 1911-14. — Bard Prof. Med., Columbia, and Director, Med. Services, Presbyterian Hosp., N. Y.

Maddren, William Harvey—S. B., Brooklyn Polytech. Inst., 1896; Grad. Student, 1896-97.—Visiting Surg., L. I. State Harbor Hospitals, and Asst. Visit. Surg., King's Co. and Bradford St. Hosp., and Physician, Brooklyn.

Moore, Elizabeth Sutton—(Mrs. G. L. McKinney), S. B., Wilson Coll., Pa., 1895; Grad. Student, Cornell, 1896-97; Interne, New England Hosp., Boston, 1901-02; Pathologist, Passavant Hosp., 1903-08.—Physician, Fort Caswell, N. C.

Parker, Henry Pickering—A. B., 1896; Demonstrator of Pathol. and Bacteriol., Western Reserve Univ., 1901-02; Resident Pathologist, Lakeside Hosp., Cleveland, 1902-03; Interne, Union Protestant Infirmary, Balt., 1903-04; Clinical Asst. in Med.; Resident Physician, Robt. Garrett Hosp. for Children, 1904-05; Asst. to the Prof. of Clin. Med., Georgetown Med. Sch.; Asst. in Diseases of Throat and Chest, Emergency Hosp., 1905-08. — Prof. Medicine, Howard Univ., Assoc. Visit. Phys., Providence Hosp., and Visit. Physician, Freedman's Hosp., and Physician, Washington, D. C.

Rubel, Maurice J.—S. B., Chicago, 1897; Resident House Officer, 1901-02.—Physician, Chicago.

Salter, John Cleveland—A. B., Yale, 1897; House Physician, St. Luke's Hosp., N. Y., 1901-02; Resident Physician, N. Y., Lying-in Hosp., 1903-04.—Instr. Clin. Micpy., Washington Univ.; Visit'g Phys., St. Louis Skin and Cancer Hosp. and City Hosp., and Physician, St. Louis.

Simis, Mabel Palmer—(Mrs. H. L. Ulrich), S. B., Cornell, 1897.—Physician, Minneapolis, Minn.

Slemons, Josiah Morris — A. B., 1897; Resident House Officer and Clinical Asst. in Obstetrics, 1901-02; Asst. Resident and Resident Obstetrician, 1902-04; Instr., Assoc., and Assoc. Professor of Obstetrics, 1904-13.—Prof. of Obstetrics and Gynecol., Univ. of California, and Director the Woman's Clinic, Univ. Hosp., San Francisco.

Smith, Herbert Meloy—A. B., Roanoke, 1892, and A. M., 1897; Grad. Student, 1894-95; Lt. and Capt. Med. Corps, U. S. A., 1901-10; Hospital Service, Philadelphia, 1911.—Physician, Columbia S. C.

Spratt, Charles Nelson—S. B., Minnesota, 1897; Resident House Officer, 1901-02; House Surgeon, New York Eye and Ear Infirmary, 1902-03; House Surg. Mass. Charitable Eye and Ear Infirmary, Boston.

Steinfeld, Albert Louis—A. B., 1897; Director, Histol. and Pathol. Laboratories, and Resident Physician, Lucas Co. Hosp. Toledo, O., 1901-02; Prof. Histol. and Pathol., Toledo Med. Coll., 1903-04; Lect. in Ear, Nose and Throat, Toledo Med. Coll., 1906-11.—Physician, Toledo, O.

Swett, Carlotta Mary—(Mrs. C. H. Bunting), A. B., Wellesley, 1896; Grad. Student, Maine State Coll., 1896; Interne New England Hosp., Boston, 1901-02.—Madison, Wis.

Ulrich, Henry Ludwig—S. B., Rutgers, 1897.—Visit'g Physician, City Hosp.; Instr. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Underhill, Albert James—A. B., 1897.—Externe in Surgery; Assoc. and Chf. G.-U. Clin., U. of Md.; Attend. G.-U. Surg. Univ. Hosp. and Physician, Balt.

Walker, Marian Bartholow—(Mrs. Marian Walker Williams), A. B., Radcliffe, 1898; Attending Physician, Babies' Hosp., N. Y., 1901-02; Physician, Hartford, Ct., 1902-11.—Taos, N. M.

Warfield, Louis Marshall—A. B., 1897; Resident House Officer and Asst. Res. Physician, Thomas Wilson Sanitarium, 1901-02; Instr. Clin. Microscopy, Washington Univ. Med. Sch., St. Louis, 1905-09; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Wisconsin, 1909-14. — Prof. Medicine, Marquette Univ. Med. Sch., and Physician, Milwaukee.

Warren, George William—A. B., 1897.—Physician, New York.

Watts, Stephen Hurt—A. M., Randolph-Macon, 1896; Student, Univ. of Virginia, 1896-97; Resident House Officer, Asst. Resident and Resident Surgeon, 1901-07.—Prof. of Surg., Univ. of Virginia, and Surg. in chief Va. Hosp., Charlottesville.

Wells, Ernest Alden—A. B., Yale, 1897; House Surgeon, N. Y. Hosp., 1901-02.—Asst. Visit. Surg. to Hartford Hosp. and Surgeon, Hartford, Conn.

***Wells, Mabel**—A. B., Wellesley, 1896; Student, Univ. of Zürich, 1897.

West, John Montgomery—A. B., 1896; Student, Universities of Berlin, Vienna and Halle, 1902-06; Asst. in Laryngol. and Rhinol., 1907-10.—Physician, Klinik-Silex, Berlin, Germany.

Winne, Charles Knickerbacker, Jr.—A. B., 1897; Externe, 1901-02; Acting Resident House Officer; Asst., Res. Physician, Thos. Wilson Sanitarium, 1902-03; Asst. Bender Hygienic Lab., Albany, N. Y., 1903-05.—Instr. Theory and Prac. of Med., Albany Med. Coll.; Asst. Attend. Physician, Contagious Dept., Albany Hosp.; Attend. Phys., Child's Hosp., So. End Disp.; Med. Asst. Bureau of Health, and Physician, Albany. (53)

1902

Auer, John—S. B., Michigan, 1898; Resident House Officer, 1902-03; Instr. Physiol., Harvard Med. Sch., 1906-07; Asst. and Assoc., Rockefeller Institute, 1907-09.—Assoc. Member, Rockefeller Institute for Medical Research, N. Y.

Briggs, John Bradford, Jr.—S. B., New York Univ., 1898; Resident House Officer, and Asst. in Medicine, 1902-04.—Assoc. in Pathol., George Washington Univ. and Dispensary, and Physician, Washington, D. C.

Browne, Bennett Bernard, Jr. — A. B., 1898; Asst. Ophthalmologist, Balt. Eye, Ear and Throat Charity Hospital, 1903-06.—Clinical Asst. Ophthalmology and Otology, Consult. Physician, Emergency Hosp., Annapolis, and Physician, Balt. and Annapolis.

Bruns, Robert Martin — A. B., Virginia, 1896; Grad. Student, 1897-98; Asst. Resident Physician, Springfield State Hospital, Sykesville, Md., 1902-03.—Physician, Indianapolis, Ind.

Bryan, William Morgan Case — A. B., Washington Univ., 1897; M. S., Michigan, 1898; Resident Physician, German Hosp., Philadelphia, 1902-04; Instr. Clin. Microscopy and Chem., Med. Dept., St. Louis Univ., 1904-05.—Instr. Ear, Nose and Throat Diseases, *ibid.*; Oto-Laryngol. to Alexian Bros. Hosp., Surg., St. Louis Eye, Ear, Nose and Throat Disp., Consult. in

Ophthal., St. John's Hosp., and Physician, St. Louis.

*Bush, Camillus—S. B., California, 1898; Resident House Officer, and Asst. Res. Surgeon, 1902-04.—Visiting Surgeon, St. Helena Sanitarium; Instr. in Surg., Univ. of Calif., and Surgeon, San Francisco. **May* 28, 1910.

Churchman, John Woolman — A. B., Princeton, 1898; A. M., 1901; Resident House Officer, and Clinical Asst. G.-U. Surgery, 1902-05; Voluntär Asst. Surg. Clinic, Breslau, 1905-06; Asst. Res. Surgeon, 1906-09; Resident Surgeon and Instr. in Surgery, 1912.—Prof. Surgery, Yale, New Haven.

Clarke, Thomas Wood—A. B., Harvard, 1899; Resident House Officer, 1902-03; Resident Physician, Lakeside Hosp., Cleveland, 1903-05; Vol. Asst. Charite Krankenhaus Berlin, 1905-06; Act. Clin. Asst. Children's Hosp., and Research Student, St. Bartholomew's Hosp., London, 1906-07; Fellow, Rockefeller Inst., N. Y., 1907-08; Clin. Asst., Vanderbilt Clinic, 1907-10; Asst. in Pediatrics, Columbia, and Asst. Editor *Medical Record*, 1909-10.—Phys. in Chg. Utica Babies' Pure Milk and Health Sta., 1912.—Attend. Pediatrist, Faxton Hosp., Med. Director Baby Welfare Comm. of Utica; Med. Expert N. Y. State Dept. of Health, and Physician, Utica, N. Y.

Cook, Henry Wireman — A. B., 1898; Resident House Officer, 1902-03; Late Asst. Resident, Thomas Wilson Sanitarium.—Visiting Physician, Senior Staff Memorial Hosp. and Univ. Hosp.; Lect. in Med., Univ. of Minnesota, and Physician, Minneapolis.

Coons, Jacob Jones—S. B., Ohio Wesleyan, 1898; Clinical Asst. in Medicine, Asst. Resident Surgeon, N. Y. Lying-in Hosp., 1902-03; Asst. Res. Surg., Kensington Hospital, Phila., 1903-04.—Asst. Prof. Med., Ohio State Univ.; Pathologist, Mt. Carmel Hosp., and Physician, Columbus, Ohio.

Dohme, Gustavus Charles—A. B., 1898; Prof. Chemistry, Maryland Med. Coll., 1905-12.—Physician, Baltimore.

Dolley, David Hough—A. B., Randolph-Macon, 1897, and A. M., 1898; Resident Pathologist, St. Vincent's Charity Hosp., 1902-03; Asst. Demonstrator, Pathol., West. Reserve Univ., and Resident Pathologist, Lakeside Hosp., Cleveland, 1903-04; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1906-10.—Editor *Univ. of Mo. Medical Bulletin* and Prof. Pathol., Univ. Missouri, Columbia.

Duffy, Ralph—A. B., 1898; Pathologist, Western Penna. Hosp., Pittsburgh, 1902-08; Res. Surg., Franklin Sq. Hosp., Baltimore, 1908-09; Surg., Scotland Sanitorium, Lawrinburg, N. C., 1909-11.—Physician, Plant City, Fla.

Dunlop, John—S. B., Princeton, 1898; Asst. Resident Physician, Thos. Wilson Sanitarium, 1902; Externe in Surgery, 1902-03; Asst. Res. Physician, U. P. I., Balt., 1903; Orthopedic House Officer, Carney Hosp., Boston, 1904-05. — Ortho. Surg., Children's Hosp. and Freedman's Hosp., Prof. Orthopedic Surg., Georgetown Univ., and Physician, Washington, D. C.

Erving, William Gage—A. B., Yale, 1898; Orthopedic House Surgeon, Carney Hosp., Boston, 1902-03.—Ortho. Surgeon, Providence, Freedman's and Children's Hospitals, and Prof. Ortho. Surg., Howard Univ., and Physician, Washington, D. C.

Ferry, Newell Simmons—Ph. B., Yale, 1898; Asst. Resident Surgeon, Barnes Hosp., Washington, D. C., 1902-03; Asst. in Medicine, Memphis, Tenn., 1903-08.—Biol. Pathol. City Hosp., and Physician, Memphis, Tenn., 1903-1908.—Biol. and Research Dept., Parke, Davis & Co., Detroit, Mich.

Foster, Nellis Barnes—S. B., Amherst, 1898; Resident Physician, N. Y. Hosp., 1904-05.—Assoc. Physician, N. Y. Hosp., Asst. Prof. Med., Cornell Univ. Sch. Med., and Physician, New York.

Francis, William Willoughby — A. B., 1898; Secy.-Treas., Canadian Med. Assn.; Asst. Ed. *C. M. A. Jour.*, Montreal, Canada.

Frankenthal, Maurice Albert — A. B., Washington Univ., 1898.—Assoc. Visit. Physician, Jewish Hosp., Pathologist, Bethesda Homes, Asst. in Surg., Washington Univ. Hosp., and Physician, St. Louis.

Glenny, W. Harry—Ph. B., Yale, 1894; Asst. Attend. Physician and Supervisor of Records, Buffalo Gen'l Hosp., Attend. Physician, Tuberculosis Dispen., and Physician, Buffalo, N. Y., 1902-1911. Bond Broker, Buffalo.

Hardy, Clarence Foster—B. L., Wisconsin, 1891; Interne, Mercy Hosp., Pittsburg (four months). — Physician, Milwaukee.

Haviland, Morrison LeRoy—Ph. B., Union, 1898; Resident Surgeon, Society Lying-in Hosp., N. Y., and Resident House Officer, 1902-03.—Phys., Glens Falls Hosp., N. Y.

Haynes, Mabel Stevens—(Mrs. Rudolf Leick), A. B., Bryn Mawr, 1898; Asst., Disp. Mass. Gen'l Hosp., 1902-03; Student of Med., Vienna, 1904-05; Dermatol., Wilkes St. Free Disp. and Trinity Disp., Boston, 1906-07.—Vienna, Austria.

Hirshberg, Leonard Keene—A. B., 1898, A. M., Loyola, 1912.

Horst, Carl Herman — A. B., Stanford, 1898; Resident House Officer, 1902-03; State Bacteriologist, Montana, 1904-05; Resident Physician, Insane Asyl.,

State of Montana, 1905-06.—City Health Officer and Physician, Butte, Mont.

Hyman, Solomon—S. B., California, 1898; House Surgeon, Mount Sinai Hosp., N. Y., 1903-05; Adjunct Surg., Mt. Zion Hosp., 1905-10; Instr. in Surgery, Cooper Med. Coll., 1905-12; Clin. Instr. in Surg., Stanford Univ., 1912-13.—Surgeon, San Francisco, Cal.

Jelke, William Frederick—Ph. B., Yale, 1898; Asst. Resident Surgeon, Lakeside Hosp., Cleveland, 1902-03; Demonstrator in Anat., Cornell, 1904-05. —Physician, Cincinnati.

Jones, Thomas Monroe—A. B., Indiana Univ., 1898; Student, Heidelberg, Germany, 1894-97; House Officer, St. Mark's Hosp., N. Y., 1902-03; Interne, King's Co. Hosp., Brooklyn, 1903-05; Graduate Student, Vienna, Austria, 1909-10.—Surgeon, Anderson, Indiana.

Karsted, Alfred—A. B., Stanford, 1898; House Surgeon, German Hosp., N. Y., 1902-04; Resident Physician, Murray Hosp., Butte, 1907-11.—Physician, Butte.

Kimball, Arthur Herbert—S. B., Amherst, 1897, and A. M., 1903; Resident Physician, Eye, Ear and Throat Charity Hosp., Baltimore, 1902-03.—Visiting Oculist, Government Hosp. for the Insane; Assoc. in Ophthalmology, Episcopal Eye and Ear Hosp., and Physician, Washington, D. C.

Lehr, Louis Charles—A. B., 1898; Clinical Asst. G.-U. Surg. and Asst. in Gynecol., Dr. Kelly's Sanatorium, 1902-04.—Physician, Wash., D. C.

L'Engle, Edward McCrady—A. B., St. John's, 1897; Grad. Student, 1897-98; Asst. Resident Physician, Phila. Polyclinic Hosp., 1902-03; Pathol., Polyclinic Hosp.; Dem'str Pathol., Medico-Chir. Coll.; Asst. Pathol., Phila. Hosp.—Physician, Jacksonville, Fla.

Litchfield, George Victor, Jr.—A. M., Randolph-Macon, 1897; Physician-Surgeon, Lick Creek and Lake Erie R. R. and Dawson Coal and Coke Co., St. Paul, Va., 1902-03; Surgeon, N. and W. R. R.; Tidewater, Bottom Creek, King Coal Co. and Big Four C. and C. Co. and Laurel Creek Lumber Co., Kimball W. Va., 1908.—Physician, Abingdon, Va.

Lootz, Emma—(Mrs. W. G. Erving), A. B., Smith, 1897.—Physician, Washington, D. C.

Ludlum, Seymour DeWitt—S. B., Rutgers, 1897; Clinical Asst., Sheppard and Enoch Pratt Hosp., Towson, 1902-03; First Asst. Resident Physician, Friends' Asylum for the Insane, Frankford, 1903-06.—Asst. Neurol., Phila. Polyclinic and Hosp.; Instr. in Neurol. and Neuropathol., Univ. of Penna., Asst. Neurologist, Phila. Hosp., and Physician, Philadelphia.

Lyle, Annie Galloway—A. B., Stanford, 1895; Asst. Voluntär, Vienna, 1902-03; Asst. Children's Clinic, Univ. of Calif., 1904-05; Physician, Juvenile Court, 1905-11.—Phys. to Board of Education, and Mary's Help Hosp., and Physician, San Francisco.

MacGregor, George Malcolm—S. B., Wisconsin, 1894; Resident House Officer, Church Home and Infirmary, Balto., 1905-07.—Physician, Garfield, Wash.

Marshall, Samuel Andrew—A. B., Yale, 1898; Surgeon, House of Relief, N. Y. Hosp., 1902-03.—Physician, L. I. City, N. Y.

McFarland, John Scott—Ph. B., Yale, 1898.—Physician, Buffalo, N. Y.

Meisenhelder, Edmund Webster—A. B., Penna. Coll., 1898; Harvard Summer School, 1898; Resident House Officer, 1902-03; Interne, Barnes Hosp., U. S. Soldiers' Home, Washington, D. C., 1903-04; Resident Physician, Lakeside Hosp., Cleveland, 1904-05; Graduate Student, Europe, 1909-10.—Surg., W. Side Sanitarium, York, Pa.

Meisenhelder, John Elmer—S. B., Penna. Coll., 1897; Grad. Student, 1897-98; House Surgeon, Moses Taylor Hosp., Scranton, Pa., 1903-04; Resident Surgeon, Hosp., U. S. Soldiers' Home, Washington, D. C., 1904-10; Grad. Student, Charite Hosp., Berlin, Germany, Univ. of Vienna and Univ. Hosp., London, 1910-11.—Physician, Hanover, Pa.

***Ocshner, Henry William**—S. B., Wisconsin, 1898; Resident House Officer, 1902-03. **Nov.* 25, 1902.

Reed, Edward Hiram—A. B., Cornell, 1898; Asst. Resident Physician, St. Luke's Hosp., N. Y., 1903.—Visit'g Phys. Freedman's Hosp.; Clin. Asst. in Med., Howard Univ., and Physician, Washington, D. C.

Riggins, Edwin Nicholas—A. B., Williams, 1897; Interne, House of Relief, N. Y. Hosp., 1903-04.—Adjct. Attend. Physician and Registrar, St. Mary's Hosp.; Physician, Out-Patient Dept. Mem. Hosp.; Med. Exam., Union Cent. L. I. Co., and Physician, Orange, N. J.

Rogers, Carey Pegram—A. B., Wake Forest, 1897; Grad. Student, 1897-98; (F. A. C. S.) Resident House Officer, 1902-03.—Surg., St. Luke's Hosp., and Surg. in Chg. Private Hosp., Jacksonville, Fla.

Rushmore, Stephen—A. B., Amherst, 1897; Externe, 1902-03; Asst. Resident Gynecologist, 1903; House Physician, Hudson St. Hosp., N. Y., 1904; House Surgeon, St. Mary's Hosp. for Children, N. Y., 1905; Res. Gynecologist, 1905-06; House Officer, Boston

Lying-in Hosp., 1907.—Visit'g Gynecol., Carney Hosp., Boston; Assoc. Prof. Gynecol., Tufts Coll. Med. Sch.; Consult. Gynecol., Symmes' Arlington Hosp., and Physician, Boston.

*Scholl, George Barr—A. B., 1898; Externe, 1902-03, in chg. Lab. Balt. Eye, Ear and Throat Hosp., 1913-14. —Pathologist, Franklin Sq. Hosp., Health Officer and Physician. (*Died July* 9, 1914.)

Silverberg, Melville — A. B., California, 1897; Asst. in Physiol.-Chem., Cooper Med. Coll., San Francisco, 1902; House Officer, City Hosp., Boston, 1903-04.—Prof. G.-U., Coll. P. and S., Physician, San Francisco.

Simpson, John Nathan—A. B., Nashville, 1893; Student Paris and Berlin, 1905. —Member Amer. Acad. Med., Prof. of Physiology, Dean of School of Medicine, West Virginia Univ.; Dir. Hygienic Lab., State Board Health, and Physician, Morgantown.

Steele, Harry Merriman—Ph. B., Yale, 1894; Asst. in Pediatrics, Univ. and Bellevue Hosp. Med. Coll., N. Y., 1902-04; Asst. in Pathol., Yale Med. Sch., 1902-07.—Instr. in Pediatrics, Yale, and Asst. Attend. Physician, New Haven Hosp., and Physician, New Haven.

Tallant, Alice Weld—A. B., Smith, 1897; Grad. Student, Mass. Inst. of Tech., 1897-98; Interne, New England Hosp., Boston, 1902-03; Med. Examiner for the Gymnasium, Bates Coll., Lewiston, Me., 1903-1905; Asst. Physician, Disp. of New Eng. Hosp., 1904-05.—Prof. of Obstetrics, Woman's Med. Coll. of Penna., and Obstet. in chief to Hosp. of Woman's Med. Coll.; Physician, Girls' Dept., Glenn Mills Schools, and Physician, Phila.

Van Arsdall, Condit Brewer—A. B., Kentucky Wesleyan, 1894, and A. M., 1898; A. B., Michigan, 1898.—Physician, Harrodsburg, Ky.

Van Denburgh, John — A. B., Stanford, 1894, A. M., 1895, and Ph. D., 1897; Hon. Curator, Dept. of Science; Act. Chief Children's Clinic, San Fran. Polyclinic, 1902-03; Visiting Physician, King's Daughter's Home for Incurables; Asst. Visit. Gynecol., St. Luke's Hosp.; Surg., Telegraph Hill Neighborhood Assn., 1904-06.—Asst. Surg., San Fran. Polyclinic, and Physician, San Francisco.

Wight, Otis Buckminster—A. B., Stanford, 1898; Resident House Officer, 1902-03.—Asst. Prof. Gynecol., Univ. or Oregon, and Physician, Portland.

Williams, Clara Louise—S. B., California, 1897, and M. S., 1898; Interne, St. Luke's Hosp., San Francisco, 1902-03.—Physician, Berkeley, Cal.

Williams, Dudley—A. B., 1897; Grad. Student, 1897-98; Grad. Student (Pathol.), Harvard Med. School, 1902-03; Asst. Physician and Physician, Baltimore, 1903-13.—Physician, Philadelphia, Pa.

Wright, Charles Benjamin—A. B., North Dakota, 1898; Resident House Officer, 1902-03.—Chief Staff, Wells Mem. Free Disp.; Visit. Phys. Minn. City Hosp., and Physician, Minneapolis. (57)

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Bassett, Victor Hugo—A. B., Knox, 1896; Graduate Student, Wisconsin and Michigan, 1897-98; Instr. in Bacteriol. and Clin. Pathol., Northwestern, Chicago, 1903-04; Fellow in Pathology, 1904-05; Prof. Pathol., Wisc. Coll. P. and S., 1905-06; Assoc. Prof. Pathol., Milwaukee Med. Coll. and Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp., Milwaukee, 1906-08. — Bacteriologist, City of Savannah, Ga.

Bixler, Lewis Clyde — A. B., Lafayette, 1899, and A. M., 1902; Resident House Officer, 1903-04.—Physician, Pittsburg.

*Blauvelt, Elizabeth Hedges—A. B., Bryn Mawr, 1896; Interne, N. Y., Infirmary for Women and Children, N. Y., 1903-05; Med. Missionary, Amoy, China, 1905-1909. (Died, 1912, Saranac Lake, N. Y.)

Brush, Clinton Ethelbert, Jr.—S. B., New York Univ., 1899; Resident House Officer and Asst. in Medicine, 1903-05.—Attend. Phys., Woman's Hosp., and Physician, Nashville.

Chatard, Joseph Albert—A. B., Loyola, 1898; Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hospital, 1903-04.—Assoc. Phys., St. Agnes' Hosp., Dispen. Physician, Instr. in Clin. Med., and Physician, Baltimore.

Chinn, George Edward, Jr.—S. B., Central Coll. (Mo.), 1899; Clinical Asst. Sheppard and Pratt Hosp., Towson, 1903-04.—U. S. Pension Exam. Surg.; Clin. Asst. St. Vincent's Hosp.; Civil Service Exam., Physician, and Physician, Norfolk, Va.

Clark, Alfred Hull—A. B., Cornell, 1899; House Surgeon, The Hartford Hosp., Conn., 1903-05.—Physician, Buffalo, N. Y.

Cornell, William Burgess—A. B., Chicago, 1899; Externe, 1903-04; Asst. in Neurol., 1905-10; Prof. of Neurol., Woman's Med. Coll. (Balto.), 1907-10; Clin. Asst. 1904-05; Asst. Physician, Sheppard and Pratt Hosp., 1905-10; Asst. Phys., Danvers State Hosp., Hathorne, Mass., 1910-12.—Executive Sec'y, Mental Hygiene Comm., Asst. Disp. Psychiatrist, and Physician, Baltimore.

Dewey, Emma Grace—S. B., Wellesley, 1885, and A. M., 1894; Graduate Student, Chicago, 1898-99; Interne, The Babies' Hosp., N. Y.; Rockefeller Institute for Med. Research (Summer, 1903).—Pathologist and Radiographer, Passavant Mem. Hosp., and Physician, Jacksonville, Ill.

Dudley, Harlan—Ph. B., Oberlin, 1897; Graduate Student, 1898.—Physician, Jefferson, O.

***Eddy, Dana Lee**—A. B., Yale, 1898.—Leavenworth, Kans.

Fayerweather, Roades—A. B., Harvard, 1899; Orthopedic House Surg., Carney Hosp., 1903-04. — Disp. Surg.; Asst. in Clin. Orthopedic Surg., and Surgeon, Baltimore.

Fischer, John Somerville—A. B., 1898; and Graduate Student, 1898-99; Asst. Resident Physician, St. Joseph's Hosp., Balt., 1903-04.—Chief Med. Clinic, St. Joseph's Hosp. Disp., Assoc. in Diseases of Children, B. M. C., and Physician, Baltimore.

Gaenslen, Frederick Julius—S. B., Wisconsin, 1899; Grad. Student, Harvard, 1901; Interne, German Hosp., N. Y., 1903-06.—Chief of Staff, Milwaukee Children's Hosp. and County Hosp., Fellow, Amer. Coll. Surg., and Phys., Milwaukee.

Gaines, Lewis McFarland—A. B., and S. B., Hampden-Sidney, 1898; Grad. Student, Univ. of Virginia, 1898-99; First Asst. Surgeon, R. I. Hosp., Providence, and House Physician, Providence Lying-in Hosp. (three months), 1903-04; Prof. of Anatomy and Physiol., Med. Dept., Wake Forest Coll., Supt., Wake Forest Hosp., N. C., 1904-08.—Prof. Ment. Diseases and Clin. Neur., Atlanta Med. Coll., and Physician, Atlanta, Ga.

Geraghty, John Timothy — A. B., St. Thomas Coll., 1895; Ph. B., St. Paul Seminary, 1897; Grad. Student, 1897-98; Resident House Officer, 1903-04. —Urol. in Chg. and Assoc. in Clin. Urol. Surg., Visit. G.-U. Surg., City Hosp., Bay View, and Surgeon, Baltimore.

Goldsborough, Francis Colquohoun—S. B., Princeton, 1889; Interne in Obstetrics; Asst. Res. Gynecologist; Obstet'n in chg. and Resident Obstetrician, 1903-07.—Instr. and Asst. Obstetrician, 1907-10.—Prof. Obstetrics, Univ. of Buffalo, and Physician, Buffalo, N. Y.

Grant, Justin Frank—Ph. B., Yale, 1898; Prof. of Anatomy and Pathology, Univ. of W. Va., Morgantown, 1903-10; Prof. Anat., Atlanta Coll. P. and S. Atlanta, 1910-12.—Dept. Exp. Med., Parke, Davis & Co., Boston.

Haskell, Louis Wardlaw, Jr. — A. B., 1899; Asst. in Surg. Pathol., 1903-04; House Officer, General Memorial Hosp., N. Y., 1905-06.—Assoc. Prof. Surg., Univ. of Tenn.; Attend. Surg., Memphis City Hosp. and Baptist Mem. Hosp., and Physician, Memphis, Tenn.

Hirschfelder, Arthur Douglass — S. B., California, 1897; Student in Paris and Heidelberg, 1898-99, and Berlin, 1906; Resident House Officer, 1903-04; Asst. in Medicine, Cooper Med. Coll.; Asst. Physician, City and County Hosp. and Physician, San Francisco, 1904-05; Voluntary Asst. in Medicine, 1905-06; Instructor and Assoc. in Medicine, in charge of the Physiol. Lab. of Med. Clinic,, 1906-13.—Prof. Pharmacol., Univ. of Minnesota, Minneapolis.

Hopkins, Ross—A. B., and S. B., Campbell Univ., 1897; A. B., Kansas State Univ., 1899; Graduate Student, Chicago, 1899.—Physician, St. Louis.

Hutchins, Henry Talbot—A. B., Amherst, 1899; Resident House Officer, Asst. Res. and Res. Gynecologist, 1903-07; Asst. and Instr. in Gynecol., 1906-07. —Consult. Gyne., Rufus S. Frost Gen. Hosp., Chelsea and Mem. Hosp., Pawtucket (R. I.), Surg. to Out-Patients, The Free Hosp. for Women, Brookline, Mass.; Asst. in Gynecol., Harvard, and Physician, Boston.

Jones, Clement Levi—S. B., Washington and Jefferson, 1899, and M. S., 1904; Clin. Asst. Med. Starling Med. Sch., Pathologist, Hawkes Hosp. of Mt. Carmel, Columbus, O., 1903-06. — Director, Springfield Clin. and Path. Lab., and Physician, Springfield, Ohio.

Tayler-Jones, Louise—A. B., Wellesley, 1896; M. S., Columbian, 1898; Asst. in Pediatrics, Freedman's Hosp.; Physician, The Foundling Hosp. and Nat. Florence Home, Phys. Summer Camp for Sick Babies, and Physician, Washington, D. C.

Keidel, Albert—A. B. (Feb. 22), 1900; Clinical Asst. in Medicine, 1903-06.—Instr. in Clin. Urol. and Disp. Surg., and Physician, Baltimore.

Lazenby, Maurice — A. B., (Feb. 22), 1900; House Physician, Church Home and Infirmary, 1903-05. — Assoc. in Obstet., Coll. P. & S., Asst. in Gynecol., Univ. of Md., Asst. in Clin. Urology, and Surgeon, Baltimore.

Loevenhart, Arthur Solomon—S. B., Kentucky State Univ., 1898, and M. S., 1899; Asst. and Assoc. in Physiol.-Chemistry, and Pharm., 1903-06; Associate Professor, 1906-08.—Prof. Pharm. and Toxicol., Univ. Wisconsin, Madison.

Long, Henry D.—A. B., Washington and Jefferson, 1894, and A. M., 1897; Cornell Summer School, 1897; Resident House Officer, 1903-04; Asst. Surg. U. S. Public Health and Marine Hosp. Service, Ellis Island, N. Y., 1905-07.—Physician, N. Y.

Long, Margaret — A. B., Smith, 1895; Grad. Student, Mass. Inst. Tech., 1896-97; Interne, N. Y. Infirmary for Women and Children, 1903-04.—Physician, Denver, Col.

***Lupton, Edward Janney Sidwell.**—S. B., Columbian, 1899; First Asst. Resident and Resident Physician, Columbia Hosp., Washington, D. C., 1903-04.

Lynch, Leo Augustine—A. B., Yale, 1899; Asst. House Surgeon, Society Lying-in Hosp., N. Y., 1903-04; Interne, City Hosp., Blackwell's Island, 1904-05.—Visit'g Surgeon, Swedish Hosp., and Physician, Brooklyn, N. Y.

Manning, William Sanders—S. B., Columbian, 1899; Clinical Asst., The Emergency Hosp., Washington, D. C., 1903-04; Ophthalmologist, St. Luke's Hosp., and S. A. L. R. R., and Physician, Jacksonville, Fla.

Marshall, Watson — A. B., Princeton, 1899.—Oto-Laryngol., St. Margaret Mem. Hosp., and Dmnstr. in Laryn., U. of Pittsburgh Med. Sch., Pittsburgh.

Miller, Robert Talbott, Jr.—A. B., Amherst, 1899; Resident House Officer, and Asst. Res. and Res. Surg., and Instr. in Surg., 1903-09.—Surgeon, St. Francis' Hosp., Pittsburg, Pa.

Morse, Mary Elizabeth—A. B., Goucher College, 1899; Resident Physician, Evening Disp. for Working Women, Balt., 1904-05; Asst. Physician, East. Mich. Asylum for the Insane, Pontiac, 1905-06.—Asst. Pathologist, Worcester State Hosp., Worcester, Mass.

Moulton, Willis Bean—A. B., Bowdoin, 1899; Resident House Officer, 1903-04.—Fellow, Amer. Acad. Med.; Instr. in Gynecol., Med. Sch. of Maine, Adj. Surg., Maine Gen's Hosp., Consult. Surg., Webber Hosp., and Surgeon, Portland, Me.

Neagle, Harry Benjamin—A. B., Bowdoin, 1899.—Asst. Physician, The Loomis Sanatorium, Liberty, N. Y.

Rainforth, Selden Irwin—S. B., Cincinnati, 1899, and A. M., 1900; LL. B., N. Y. Law Sch., 1908; House Surgeon, Presby. Hospital, N. Y., 1904-05.—Attend. Dermatol., Vanderbilt Clinic, and Physician, N. Y.

Riggs, Theodore Foster—A. B., Beloit, 1898; Resident House Officer, 1903-04; Asst. Resident and Resident Surg., Union Prot. Infirmary, Baltimore, 1904-07; Grad. Student, Berlin, 1907-08; Private Asst. to Dr. Elting, Albany, N. Y., 1908.—Attend. Staff, St. Mary's Hosp., Visit'g Surg., Onida Hosp., and Surgeon, Pierre, S. D.

Riley, Benjamin Franklin, Jr. — S. B., Georgia, 1898.—County Physician, Surg., Georgia R. R., and Physician, Thomson, Ga.

Robinson, George Canby—A. B., 1899; Asst. Demonstrator of Anatomy, Cornell, Ithaca, N. Y., 1903-04; Resident Pathologist and Resident Physician,, Penna. Hosp., 1904-08; Director, Pathol. Lab., Presbyterian Hosp. and Physician, Philadelphia, 1909-10; Res. Phys., Rockefeller Hosp., and Assoc. in Med., Rockefeller Institute, N. Y., 1910-13.—Assoc. Prof. Medicine, Washington Univ., St. Louis.

Rucker, Marvin Pierce—A. M., Randolph-Macon, 1899; Virginia Med. Coll., 1899-00.—Instr. Obstetrics, Med. Coll. of Va.; Surg., A. C. L. Ry., and Physician, Richmond, Va.

Schmitter, Ferdinand—A. B., Union Coll., 1899; Instr. in Anatomy, Univ. of Wisconsin, Madison, 1903-05; First Lieut. Med. Corps, U. S. A., Fort Egbert, Alaska, 1905-08.—Capt., Med. Corps, U. S. A., Dept. Hosp., Manila, P. I.

Schultz, Oscar Theodore—A. B., Indiana, 1897; Res. Pathologist, Charity Hosp., Cleveland; Brooklyn Inst. Biol. Lab. and Columbia Univ., N. Y., 1903-04; Dem'str. and Instr. of Pathol. and Proto-zoölogy, Western Reserve Univ., Cleveland, 1904-10; Asst. Prof. Pathol., *ibid.*, 1910-13. — Prof. Pathol. and Bact., Univ. Nebr., Omaha.

Smith, Winford Henry—A. B., Bowdoin, 1899; Resident Gynecologist, The Lakeside Hospital, Cleveland, 1903-05; Hosp. Physician, N. Y. Dept. of Health, 1905-06; Supt., the Hartford Hosp., Conn., 1906-09; Gen'l Med. Supt. Dept., Bellevue and Allied Hospitals, New York, 1909-11.—Supt., J. H. Hospital.

Stevens, Alexander Raymond — A. B., 1896; Resident House Officer, 1903-04; Director, Analytical Lab. of Frazer & Co., N. Y., 1904-05; House Surg., Presbyterian Hosp., N. Y., 1907-08.—Asst. Attend'g G.-U. Surg., Bellevue Hosp., Chief G.-U. Clin Presb. Hosp.; Instr. G.-U. Surg. N. Y. Univ., and Physician, N. Y.

Travis, Catherine Hutchison—A. B., McGill, 1895; Grad. Student, Harvard Summer School, 1899; House Officer, N. E. Hosp. for Women and Children, Boston, 1903-04; Pathol., New Britain Hosp., and Physician, New Britain, Conn.

***Watson, Frank Hosford**—S. B., Wisconsin, 1899; Resident House Officer, 1903-04. **Dec.* 15, 1909.

Young, Charles Whittier—S. B., Univ. of Illinois, 1897; Resident House Officer, 1903-04.—Prof. Bacteriol. and Pathol., Union Med. Coll., and Med. Missionary, Peking, China.

1904

Bacon, Jay Harvey—S. B., Knox, 1900; Pathologist, Lakeside Hospital, Cleveland, 1904-05.—Mbr. Staff, The Procter Hosp.; Phys., The Crittenden Home; Chairman, Educational Comm. Soc. Prev. of Tuberculosis; Surg., Visit. Phys. The Bacon Mission Disp., Member. Med. Legisla. Comm. Ill. State Med. Soc., and Surg., Peoria, Ill.

Baker, Theodore—A. B., Princeton, 1900. —Physician, Pittsburg.

Bean, Robert Bennett—S. B., Va. Polytech. Inst., 1900; Asst. in Anatomy, 1904-05; Instr. in Anat., Univ. of Mich., Ann Arbor, 1905-06; Assoc. Prof. Anat., The Philippine Med. Sch., Manila, 1907-10.—Prof. Gross Anat., Tulane Univ., New Orleans.

Bennett, Ruth—(Mrs. L. S. Morgan), A. B., Illinois, 1899, and Graduate Student, 1899; Asst. Physician and Surg., Tsing Kiang pu Hosp., Tsing Kiang pu, Kiang Pu Prov., China, 1905-09. —Med. Missionary, Hai Chow via Chinkiang, China.

Bergland, John McFarland—S. B., Princeton, 1900; Interne in Obstetrics and Asst. Res. Obstetrician, 1904-06; Asst. in Obstet., 1906-12; Physician, Balt.

Bonta, Maurice Buford—A. B., Ky. Weslevan, 1894; S. B., Michigan, 1897; Resident House Officer, 1904-05; Resident Gynecologist, Lakeside Hosp., Cleveland, 1905-06.—Asst. in Gynecol., Lakeside Hosp. Disp.; Med. Insp'r Public Schs., and Physician, Cleveland, Ohio.

Brem, Walter Vernon, Jr.—S. B., N. Carolina, 1896; Med. Dept., 1898-00; Resident House Officer, 1904-05; Phys., Ancon Hosp., 1905-07; Chief Med. Clin. Colon Hosp., Cristobal, C. Z., 1907-11.—Prof. Pathol. and Bacteriol., Med. Dept., Univ. Calif., and Physician, Los Angeles.

Caldwell, Julius Alexander, Jr.—S. B., N. Carolina, 1899; Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer, and Asst. Res. Gynecol., 1904-06. — Physician, Montclair, N. J.

Carr, John Robert—A. B., N. Carolina, 1899, Med. Dept., 1899-00, and Summer Sch., 1900; Resident House Officer and Asst. Res. Surg., 1904-06.—Physician, Detroit, Mich.

Casler, DeWitt Bellinger—A. B., Yale, 1900; Resident House Officer, Asst. in Gynecol. and Asst. Res. Gynecol., 1904-08; Instr. in Gynecol. and Res. Gynecologist, 1908-09. — Physician, Baltimore.

Edwards, Ralph Torrey — A. B., Knox, 1897, and A. M., 1899; Bacteriologist, Bureau of Science, Manila, P. I., 1905-08; Director, Gov't Serum Lab., Phrapatoom, Siam, 1908-10.—Physician, Warsaw, Ill.

Egdahl, Anfin—S. B., Wisconsin, 1900; Asst. Prof. of Pathol. and Bacteriol., Coll. of Med., State Univ. of Iowa, Iowa City, 1904-08.—Physician, Menomonie, Wis.

Garwood, Harold Gould—S. B., Colorado, 1900, and Med. Dept., 1900-01; Resident House Officer, Minnequa Hosp., Pueblo, Colo., 1904-05; Surg., Colo. Fuel and Iron Co., Redstone, Colo., 1905-06; Sec. Boulder Co. Med. Soc., Res. Surg. Nat. Fuel Co., Northern Coal and Coke Co., and Fox-Patterson Mining Co., Gorham, Colo., 1906-09.—Surgeon, Denver, Colo.

Greenbaum, Harry Seliger—A. B., 1899; Student, Univ. of Berlin, 1899-00; Instr. in Medicine and Asst. Physician, 1905-1914.—Physician, Balt.

Giffin, Herbert Ziegler—S. B., Princeton, 1900; Resident House Officer, 1904-05; House Officer, Child's Hosp., Philadelphia, 1905 - 06. — Physician, Mayo Clinic, Rochester, Minn.

Hemenway, Josephine—(Mrs. J. H. Kenyon), A. B., Pritchett Coll., 1898; Bryn Mawr, 1899-00; Resident House Officer, 1904-05; Res. Physician, Babies' Hosp., 1905-11.—New York.

***Kellogg, William Raphael Miles**—A. B., Adelbert, 1898; Resident Physician, Seattle Gen'l Hosp., 1904-05. **Oct.* 14, 1908.

Lee, Kenelm Julius — S. B., Wisconsin, 1900.—Physician, Fergus Falls, Minn.

Love, John Marion — A. B., and B. L., Hampden-Sidney, 1899; Grad. Student, 1899-00; Clin. Asst. Ophthalmology, Balt. Eye, Ear and Throat Charity Hosp., 1904-06.—Clin. Asst. St. Vincent's Hosp., and Physician, Norfolk, Va.

Manwaring, Wilfred Hamilton — S. B., Michigan, 1895, Univ. of Chicago, Summer Qrs., 1899-03; Fellow and Asst. in Pathol., Chicago, 1904-05; Assoc. Prof. of Pathol. and Bacteriol., Indiana, 1905-07; Traveling Fellow, Rockefeller Institute, 1907-08, and Asst. in Pathol. and Bacteriol., 1910-13.—Prof. Bact. and Immunity, Leland Stanford Jr. Univ., Cal.

Marshall, Herman Weston—S. B., Mass. Institute Tech., 1897; Resident House Officer, 1904-05; R. H. O. and Ortho. H. O., Mass. Gen. Hosp., 1906-08; Resch. Asst., Carnegie Inst., Washington, 1908.—Asst. Ortho. Disp., Mass. Gen. Hosp. and Ortho. Surg., Boston.

MacCarty, William Carpenter — S. B., Kentucky State, 1900, and M. S., 1909; Pathol., Augusta Hosp., Berlin, 1904-06.—Surg. Pathol., Mayo Clinic, Rochester, Minn.

***McGouldrick, Ernest Clare**—A. B., Yale, 1900. **Jan.* 9, 1912.

Morgan, Lorenzo Seymour—S. B., Knox, 1900; Asst. Physician and Surg., Tsingkiang pu Hosp., Tsingkiang pu, Kiang Pu Prov., China, 1905-09.—Med. Missionary, Hai Chow via Chinkiang, China.

Morrison, James Francis—A. B., Harvard, 1900; Interne, Conn. State Hosp., for Insane, Middletown, 1904; Interne, Kings Co. Hosp., 1904-06; Asst. Physician, Conn. Hosp. for Insane, Middletown, 1906-08. — Neurol., Kings Co. Hosp. and Polhamus Mem. Clinic; Visit. Phys. Brooklyn Home for Consumptives and Physician, Brooklyn, N. Y.

Nelson, Norman Oscar—S. B., Wisconsin, 1900; Resident Physician, Monroe St. Hosp., Chicago, 1904-1905.—Physician, Madison, Wis.

Randolph, James Henry—A. B., Fla. State Coll., 1900; Clinical Asst., The Sheppard and Enoch Pratt Hosp., Towson, 1904-05.—Asst. and Chief Physician, Fla. Hosp. for Insane, Chattahoochee, 1905-10. — Physician, Jacksonville, Fla.

Reed, Jewett Villeroy—S. B., Kentucky State Coll., 1900; Resident House Officer, 1904-05.—Asst. Prof. Surg., Indiana Univ. Sch. of Med. and Asst. Consult. Surg. City Hosp., Indianapolis.

Remsen, Charles Mallory—A. B., 1899, and Grad. Student, 1899-00; Resident House Officer, Asst. Res. Physician and Asst. Surg. Pathologist, 1904-10; Res. Surg. and Instr. in Surg., 1910-11.—Surgeon, Atlanta, Ga.

Ricker, William Gray—A. B., Yale, 1900; House Surgeon, Montreal Gen. Hosp., Can., 1904-05; Visit'g Physician, The Littleton Hosp., and Physician, Wels River, Vt., 1905-11.—Physician, St. Johnsbury, Vt.

Rosencrantz, Esther—A. B., Leland Stanford, Jr., 1899; Barnard Coll., 1899-00; Interne, N. Y. Infirmary for Women and Children, 1905-06.—Clin. Asst. Out-Pat. Dept., Brompton Hosp. for Consumption, etc., London, Eng., 1906-07; Asst. Attend. Physician, Tuberculosis Clinic, N. Y. Board of Health, 1907; Clin. Asst. P. G. Med. Sch. and Hosp., and Physician, N. Y., 1907-09. — Physician, San Francisco, Cal.

Sachs, Ernest — A. B., Harvard, 1900; Interne, The Mount Sinai Hosp., N. Y., 1904-05; Grad. Stud., Berlin, 1907; Clin. Clk. Nat. Hosp., London and Sir Victor Horsley's Lab., Univ. Coll., 1908; Neurol. Surg. Montefiore Home and Beth Israel Hosp.; Adj. Asst. Surg. Bellevue Hosp. and Chief Surg. Clinic Out-Patient Dept., and Physician, N. Y., 1908-10. — Assoc. Prof. Surg., Washington Univ. Med. Sch., St. Louis, Mo.

Scholl, Orville Hickok—A. B., Yale, 1900; House Surg., The Mount Sinai Hosp., New York, 1904-07; Med. Missionary, Changsha, Hunan Prov., China, 1907-08.—Assoc. Physician, New Rochelle Hosp., and Physician, New Rochelle, N. Y.

Stone, Harry Russell — Ph. B., Conn. Wesleyan, 1899; Interne, Hudson St. Hospital, N. Y., 1904-05; House Physician and Surg., Private Patients' Bldg., N. Y. Hosp., 1905-07; Deputy Attend. Phys. Hudson St. Hosp., 1909-10.—Physician, New York.

Storrs, Henry John — A. B., Amherst, 1899; Interne, Asst. Res. Obstetrician, Res. Obstetrician and Assist., 1904-09.—Phys. in charge, St. Louis Maternity Hosp. and Instr. Obstetrics and Gynecol., Washington Univ., St. Louis.

Taneyhill, George Lane, Jr.—A. B., 1900; Externe, 1904-05; Asst. Physician and Asst. in Med., 1905-09.—Instr. in Clin. Neurol., Disp. Neurol., and Physician, Baltimore.

Terry, Benjamin Taylor—A. B., Vanderbilt, 1898, and A. M., 1900; Univ. Chicago, Summer Qrs., 1900-1902, and 1904; Univ. of Freiburg, i. B., Summer, 1901; Harvard Med. Sch., Summer, 1903; Fellow in Pathol., Chicago, 1904-05; Grad. Student, Univ. Mich., Summers 1905, 1908, 1911 and 1912; Grad. Student, Columbia Univ., 1905-06; Univ. of Munich and Pasteur Institute, Paris, 1906-07; George Speyer Haus, Frankfurt a. M., 1910; Fellow and Asst. Rockefeller Inst., 1906-10; Assoc. in Protozoölogy, Rockefeller Institute for Med. Resch., N. Y., and Co-Editor, Journal Exp. Med., 1911-1913.—Director Laboratories, Kings Co. Hosp., Brooklyn.

Thompson, William Lawton—A. B., Bowdoin, 1899; House Surgeon, City Hosp., Worcester, Mass., 1904-05; Surg. Soc. Lying-in Hosp., N. Y., 1905-06. — Dist. Physician, Boston Disp. and Asst. in Path. and Bact. and Instr. in Obstet., Tufts Coll. Med. Sch., Visit. Obstet., Mt. Sinai Hosp., and Physician, Boston.

Tyler, George Thomas, Jr.—A. B., Randolph-Macon, 1896, and A. M., 1897; Summer Sch., Columbian Univ., 1899; Interne, Union Prot. Infirmary, Balt., 1904-06; Contract Surg., U. S. A., Fort Porter, N. Y., 1909-10.—Surgeon, Greenville, S. C.

Vogeler, William Jerome—A. B., Yale, 1900; Resident Physician, St. John's Riverside Hosp., Yonkers, N. Y., 1904-06; Interne, Nursery and Child's Hosp., N. Y., 1906-07.—Attend. Phys., St. John's Riverside Hosp. and Sprain

Ridge Hosp. for Tuberculosis, Clin. Asst. Vanderbilt Clinic, N. Y.; Consult. Phys. Co. Hosp., Westchester, and Physician, Yonkers, N. Y.

Washburn, Robert Glendenning — S. B., Wisconsin, 1900; Wisc. Coll. P. and S., 1900-01.—Dermatol., Milwaukee Co., St. Mary's and Maternity Hospitals; Prof. Dermatol., Marquette Univ., and Physician, Milwaukee.

Weaver, Louis Schneider—A. B., Pa. Coll., 1899, and Yale, 1900; House Surg., R. I. Hosp., Providence, 1904-06.—Staff, York Hosp., and Penna. State Tuberculosis Disp., and Physician, York, Pa.

Willock, John Scott—S. B., Princeton, 1900; Resident Physician, Allegheny Gen. Hosp., Pa., 1904-05; Physician, Hampson & Smith, Railroad Contractors, Mexico, 1907; Waverly Oil Wks. Co., Pittsburgh, Pa., 1907-12.—Asst. in Clin. Dermatol. and Asst. Disp. Dermatol.

Wilson, Walter Scott — A. B., N. Ga. Agricult. Coll., 1880; A. M., Univ. of Ga., 1884; Grad. Student, 1893-94, and Univ. of Chicago, 1896-97.—Physician, Savannah, Georgia.

Wilson, Winfred — A. B., Weatherford Coll., 1900.—Physician and Surg., Wilson Sanitarium, Memphis, Tex. (45)

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Abercrombie, Ronald Taylor—A. B., 1901; Resident Physician, Church Home and Infirmary, 1905-06.—Director of the Gymnasium, Instr. School Hygiene, Summer Sch., J. H. U., Asst. Dispen. Surg., and Physician, Baltimore.

Baer, Clarence Allen—B. L., Wisconsin, 1900, and S. B., 1901; Michigan, Summer of 1901; Graduate Student, Univ. of Paris, 1905-06; Asst. St. Louis Hospital, Paris, 1906-07; Externe in Dermatol., 1907.—Physician, Milwaukee, Wis.

Baldauf, Leon Kahn—A. B., 1901; Asst. Bender Hygienic Laboratory, and Instr. Bact. and Pathol., Albany Med. Coll., Albany, N. Y., 1905-07; Asst. City Pathol., St. Louis, 1907-1910.—Prof. Pathol. and Bact., Univ. Louisville, Ky.

Ballou, Alice May — (Mrs. George W. Eliot), Ph. B., Brown, 1900, and A. M., 1901; Interne, New England Hosp., Roxbury, 1905-06.—Weston, Mass.

Beall, Khleber Heberden — S. B., and M. S., Texas, 1899; Resident House Officer and Asst. Res. Physician, 1905-07.—Member, Texas State B'd Health, and Physician, Fort Worth.

Bernheim, Bertram Moses—A. B., 1901; Asst. in Surgery, 1913.—Instr. in Clin. Surg., Dispen. Surg. and Surg., Baltimore.

Constantine, Kosciusko Walker — A. B., 1901, Graduate Student, Vienna and London, 1905-07.—Prof. Ophthalmol., Grad. Sch. of Med., Univ. of Ala., Oculist, Hillman and St. Vincent's Hosps., Ophthal. Surg., Birmingham, Ala.

Cowles, Calvin Duvall, Jr.—A. B., Guilford Coll., 1900, and North Carolina, 1901; Interne in Obstetrics, 1905-06.—Capt. Med. Corps, U. S. A., Fort Clark, Texas.

Cutter, William Dick—A. B., Yale, 1899; Student, Univ. of Bern, 1900; Interne, French Hospital, N. Y., 1905-06; Asst. Physician, Hosp. Dep. Copper Queen Con. Mining Co., Bisbee, Ariz., 1906-09. — Prof. Physiol. and Pharm., Univ. Ga., Augusta.

Danforth, Murray Snell—A. B., Bowdoin, 1901; Interne, R. I. Hospital, Providence, 1906-08.—Surg., Dept. Ortho. Surg. and Asst. Pathol. Radiographic Work, R. I. Hosp.; Consult. Ortho. Surg., Providence Hosp.; Asst. Ortho. Surg., O. P. D. Mass. Gen'l Hosp., and Physician, Providence.

Dascombe, Otho Lee — A. B., Bowdoin, 1901; Resident Physician and Surg. Externe, Waltham Hospital, Mass., 1905-08.—Asst. Phys., *ibid.;* Visit'g Phys. Waltham Baby Hosp., and Physician, Waltham, Mass.

Davenport, Howard Irving—A. B., Hamilton, 1901, and A. M., 1904; Instr. Bacteriology and Pathology, Syracuse Univ. Med. Sch., Syracuse, N. Y., 1905-06; County Bacteriol., Ont. Co. Lab., Canandaigua, N. Y., 1906-09.—Pathol., City Hosp., Physician and City Bacteriol., Auburn, N. Y.

Davidson, Homer J.—S. B., Wabash, 1899, and A. M., 1910; Resident Physician, Seattle General Hospital, Wash., 1905-06.—Physician, Seattle.

Dodds, Solon Arthur—Ph. B., Wesleyan (Conn.), 1901; Interne in Obstetrics, and Asst. Res. Gynecologist, 1905-07; Physician, Salisbury, N. C., 1907-10; Asst. in Obstetrics, 1912-14.—Physician, Baltimore.

Dowman, Charles Edward, Jr. — A. B., Emory, 1901; Student, Vanderbilt, 1901; F. A. C. S. (1914); Path. Inst. Charlottenburg Krankenhaus, Berlin, 1905-06; Vol. Asst. Univ. Chirurg. Klin., Breslau, 1906-07; Clin. Clk., Nat. Hosp. for Paralytics and Epileptics, London, 1907; Pathol. Hillman Hosp., 1911-13; Prof. Pathol., B'ham Med. Coll., 1911-13; Surg., A. B. and A. R. R., Neurol. Surg., Hillman Hosp.; Assoc. Surg., Grad. Dept. U. of Ala. and Surg., Birmingham, Ala.

Eyster, John Augustine English—S. B., Maryland Agricultural, 1899; Gradu-

ate Student, 1899-01; Fellow, Assist., Instr. and Assoc. in Physiol., 1905-08; Prof. of Pharmacol., Univ. of Virginia, Charlottesville, 1908-10.—Prof. Physiol., Univ. Wis., Madison.

Faris, Clifton Maupin — A. B., Leland Stanford, Jr., 1900; Resident House Officer, 1905-06; Asst., Dr. H. A. Kelly's Sanitarium (Balt.), 1906-07.—Surgeon, Sacramento, Cal.

Ford, Frederick Reynolds—S. B., Colgate, 1901; Resident House Officer, 1905-06.—Pathol., St. Luke's Hosp.; Physician, Utica, N. Y.

Freeman, Allen Wier—S. B., Richmond, 1899; Graduate Student, 1900-1901; Interne, Newark City Hospital, N. J., 1905-06.—Asst. Com. Health, State of Va., Richmond.

Gilman, Philip Kingsnorth—A. B., Leland Stanford Jr., Univ., 1901; Assistant in Operative Surgery (H. L.), and Asst. Res. Surgeon, 1905-07; Asst. Prof. Path. and Prof. Surg., Philippine Gen'l Hosp., 1907-12. — Prof. Surg., Coll. Med. and Surg., Univ. of Philippines; Chief Surg. Philippine Gen'l Hosp., Manila, P. I.

Grier, Sarah Mabel—(Mrs. C. B. Lesher), A. B., Bucknell, 1901, and A. M., 1904; Resident Physician, Syracuse Hospital, N. Y., 1905-06.—Med. Missionary, Amer. Baptist Mission, Swaton, China.

Hale, Edith—(Mrs. W. B. Swift), A. B., Radcliffe, 1901; Interne, New England Hospital, Roxbury, 1905-06; Grad. Student, Berlin, Ger., 1908-10.—Act. Attend. Phys., N. Eng. Hosp. and Disp., and Physician, Boston.

***Hall, Francis Jenks**—A. B., Yale, 1899; Interne, Methodist Episcopal Hosp., Philadelphia, 1905-06. **May* 1913.

Haller, Julius Theodore—S. B., Chicago, 1901; F. A. C. S. Grad. Student, Vienna, Austria 1910.—Physician Davenport Iowa.

Hempsted, Helen—A. B., Allegheny Coll., 1900; Cornell, 1900-01; Interne, N. Y. Infirm., 1905-06; Asst. Physician, Babies' Hosp., N. Y., 1906-07.—Physician, Cleveland, O.

Hepburn, Thomas Norval—A. B., Randolph-Macon, 1900, and A. M., 1901; Interne, The Hartford Hospital, Conn., 1905-07.—Asst. Surg., Hartford Hosp., and Surgeon, Hartford.

Higgins, Reuben Paul—A. B., Cornell, 1902, and Med. Dept., 1900-02.—Ophthalmol., Cortland Hosp., and Physician, Cortland, N. Y.

Hooker, Donald Russell — A. B., Yale, 1899 and M. S., 1901; Graduate Student, Berlin, 1905-06; Asst. Instr. and Assoc. in Physiology, 1906-10.—Associate Professor.

Houghton, Henry Spencer—Ph. B., Ohio State, 1901; Asst. Rockefeller Institute for Med. Research, N. Y., 1905-06; Physician, Wuhu Gen'l Hosp., China, 1906-11.—Dean and Prof. Trop. Med., Harvard Med. Sch. of China, Shanghai.

Lankford, Henry Marshall—A. B., Western Maryland, 1901, and A. M., 1905.—Physician, Princess Anne.

Lawson, George Bilton—A. M., Randolph-Macon, 1899; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-07.—Physician, Roanoke, Va.

Leopold, Eugene Joseph — A. B., 1901, Graduate Student, Berlin; "Volunteer" Stadisches Krankenhaus, Munich, and Grad. Student, London, 1905-07.—Visit'g Phys., Hebrew Hosp., Dispen. Physician and Asst. in Clin. Med., and Physician, Baltimore.

Marine, David—A. B., Western Maryland, 1900; Graduate Student, 1900-01; Resident Pathologist, The Lakeside Hospital, Cleveland, 1905-06; Demonstr. Neuropath., 1906.—Asst. Prof. Exp. Med., Western Reserve Univ., and Physician, Clevland.

Martelle, Henry Augustus—A. B., Bowdoin, 1901; House Officer, Hartford Hosp., Conn., 1905-07.—Physician, Hartford, Conn.

McDonald, Archibald Leete—A. B., North Dakota, 1901; Asst. Prof. in charge of Anat., Univ. of North Dakota, and Physician, Grand Forks, 1905-11.—Physician, Duluth, Minn.

Meyer, Arthur William—B. S., Wisconsin, 1898; Assistant and Instr. in Anatomy, 1905-07; Asst. Prof Anat., Univ. of Minn., Minneapolis, 1907-08; Prof. Anat., N. W. Univ. Med. Sch., Chicago, 1908-09. — Prof. Human Anat., Stanford Jr. University, Stanford Univ., Cal.

Moss, William Lorenzo—S. B., Georgia, 1901; Resident House Officer and Asst. Physician, J. H. Disp., 1905-07; Grad. Student, Berlin, 1907; Instr. in Med., in charge Research Lab., Phipps Disp., 1908-10; Assoc. in Clin. Med. and Asst. Res. Physician, 1910-14.—Internist, State Instn. Study Malig. Diseases, Buffalo, N. Y.

Mumford, Eugene Bishop—S. B., Wisconsin, 1901; Res. Physician, Children's Hosp., Boston, 1905-06; Interne, Governeur Hosp., N. Y., and Ship Surg., Booth Steamship Co., 1906-08.—Director, Bureau Contag. Diseases, City Board Health, 1908-12; Physician, Children's Aid Assn.; Visit'g Pediatrician, City Hosp., 1910-14.—Asst. Clin. Pediatrics, Ind. Univ. Sch. Med., and Physician, Indianapolis.

Paullin, James Edgar, Jr.—A. B., Mercer, 1900, Graduate Student, 1900-01; Res. Pathologist, R. I. Hospital, Providence, 1905-06; Asst. Prof. Pathol., Atlanta Coll. P. and S.; Pathol., Ga. State

Bd. Health, 1907-11; Asst. Visit'g Physician, Grady Hosp.; Adj. Prof. Med., Atlanta Med. Coll., and Physician, Atlanta, Ga.

Rehberger, George Edward—A. B., 1901; Jr. Asst. Craig Colony for Epileptics, Sonyea, N. Y.; 1906-09.—Physician, Ymir, B. C., Cana.

Richardson, Edward Henderson — A. B., Hampden-Sidney, 1900; Graduate Student, J. H. U., 1900-01; Resident House Officer, Asst. Res. and Res. Gynecol. and Instr., 1905-12.—Assoc. in Clin. Gynecol.; Gynecol. in chg., and Physician, Baltimore.

Ricksher, Charles—S. B., Parsons Coll. (Ia.), 1901, M. S., 1905; Clin. Asst., Sheppard and Enoch Pratt Hospital, Towson, 1905-06; Student, Munich and Zürich, 1906-07; Asst. Physician, Danvers State Hosp., Hathorne, Mass., 1907-10; Chief of Clinic, Neurol. Institute, N. Y. City, 1910-11; Asst. in Clinical Psychiatry, Manhattan State Hosp., Ward's Island, N. Y., 1911-12; Asst. Physician, Kankakee State Hosp., Hospital, Ill., 1912-13.—Pathol. State Psycopath. Inst., Kankakee, Ill.

Rindlaub, Martin Phillip, Jr.—B. L., Wisconsin, 1896; Chicago, 1897 and 1900; Berlin, 1900-01. — Oculist, Fargo, N. D.

Rous, Francis Peyton—A. B., 1900; Resident House Officer, 1905-06; Instr. in Pathol., Univ. of Mich., Ann Arbor, 1906-08; Asst. and Assoc., Rockefeller Inst., 1909-12.—Assoc. Member in Pathol. and Bact., The Rockefeller Inst. for Med. Research, N. Y.

Schloss, Oscar Menderson—S. B., Alabama Polytechnic, 1901; Resident Physician, Kings Co. Hospital, Brooklyn, N. Y., 1905-07; Res. Physician, Nursery and Child's Hosp., N. Y., 1907-8.—Asst. Attend. Pediatrist, N. Y. Nursery and Child's Hosp., Attend. Phys. Childn. Disp. and Adj. Asst. Visit. Phys. Childn's Ward, Bellevue; Asst. Pediatrics, Coll. P. & S., Columbia, and Physician, N. Y.

Slocum, Robert Barnard—Ph. B., Rochester, 1900, and Graduate Student, 1900-01; Resident House Officer, 1905-06; Supt., Walker Mem. Hosp., Wilmington, 1906-08.—Surg. A. C. L. and Surgeon, Wilmington, N. C.

Smead, Lewis Frederick—A. B., Wooster, 1901; Summer Sch., Wisconsin, 1901; Senior Resident Physician, Union Protestant Infirmary, Baltimore, 1905-07.—Surg., St. Vincent's and Toledo Hospitals, and Physician, Toledo. O.

Stone, Charles Walter—A. B., Washington and Jefferson, 1901, and A. M., 1904; Interne and Res. Phys., Lakeside Hosp., Cleveland, 1905-08; Demonst'r in Med., West. Reserve, 1908; Grad. Student, Berlin, Paris, London, 1908-09; Instr. Nerv. Diseases, Western Reserve, 1909, and Lect. and Asst. Prof. of Nervous Diseases, 1910-12.—Visit'g Neurol. Cleveland City Hosp.; Physician in charge Disp. for Nervous Diseases, and Visit'g Neurol., Lakeside Hosp.; Visit'g Pathol. Huron Road Hosp., and Physician, Cleveland.

Towles, Caroline Benson—A. B., Woman's College of Baltimore, 1893; Graduate Student, Prague, 1905-06; Asst. in Pediatrics, 1913-14.—Physician, Baltimore.

Vander Hoof, Douglas — B. L., Dartmouth, 1901, and A. M. (Hon.), 1907; Resident House Officer, 1905-06.—Prof. of Med., Med. Coll. of Va., Attend. Phys., Mem. Hosp.; Consult. Phys., Johnston Willis Hosp., and Physician, Richmond, Va.

Whipple, George Hoyt—A. B., Yale, 1900; Assistant and Assoc. in Pathology, and Asst. Res. Pathol., 1905-10; Pathologist, Ancon Hosp., C. Z., 1907-08; Assoc. Prof. of Pathol. and Resident Pathologist, 1910-14.—Director, Hooper Inst. Research, U. of Cal., San Francisco.

Wiel, Harry Isaac—A. B., Leland Stanford Jr., 1900; Student, Harvard, 1901; Resident House Officer, 1905-06.—Adj. in Med., Mt. Zion Hosp., and Physician, San Francisco.

Youtz, Hiram LaMont—Ph. B., Brown, 1900, and A. M., 1901; Member of Staff, Moline City Hosp.; Lect. Anat., City Hosp.; Sec., Rock Island Co. Med. Soc., and Physician, Moline, Ill., 1905-08.—Physician, Willow City, N. D.

Rhea, Lawrence Joseph — S. B., Texas, 1901; 1st Asst. in Pathol., City Hosp., Boston; Instr. in Pathol, Harvard.—Assoc. Prof. Path., McGill Univ., and Dir. Path. Lab., Montreal Gen. Hosp., Montreal, Canada. (*Degree conferred February* 22, 1906.) (54)

1906

Adsit, Henry—A. B., Princeton, 1902; Non-resident Surgeon, St. James' Hosp., Hornells, N. Y.—Surgeon, Buffalo, N. Y.

Ainley, Frank C.—S. B., Drake, 1902; Resident House Officer, 1906-07; House Physician, Lakeside Hosp., Cleveland, 1907-08; Asst. Res. Obstetrician, 1908-09; Asst. in Obstet. and Res. Obstetrician, 1909-10.—Physician, Los Angeles.

Appleton, Vivia Belle—A. B., Cornell, 1901, and Med. Dept., 1901-02; Interne, N. Eng. Hosp. for Women and Children, and Grad. Student, Harvard, 1906-07; Graduate Student, London

and Berlin, 1907-09; Interne, Babies' Hosp., New York, 1909-11; Grad. Student, Enfants Malades, Paris, 1911-1912.—Physician, Tama, Ia.

Bancroft, Frederic Wolcott—A. B., Leland Stanford Jr., 1902; Interne, The Roosevelt Hosp., N. Y., 1906-08; Interne, The Sloane Maternity Hosp., N. Y., 1908-09.—Asst. Surg. O. P. D. Presbyterian Hosp.; Deputy Surg. O. P. D., N. Y. Hosp.; Asst. Surg. Columbia; Asst. Attend. Surg. Central and Neur. Hosp.; Asst. Attend. Obstetrician, Gouverneur Hosp., and Physician, New York.

Bass, Herschel Winston—S. B., Alabama Polytechnic, 1901, and M. S., 1902; Graduate Student, Berlin, 1906-07.—Physician, Gadsden, Ala.

Beall, Francis Cooke—S. B., Texas, 1902; Resident House Officer, 1906-07.—Surgeon, Ft. Worth, Tex.

Beasley, Edward Bailey—A. B., 1902; Dr. P. H., Harvard, 1911; Resident Physician, The Leigh Hosp., Norfolk, Va., 1906; Interne, Willard Parker Hosp. (N. Y. Health Dept.), and Asst. Surg., Woman's Hosp., N. Y., 1907.—Physician, Baltimore.

Beeuwkes, Henry—A. B., 1902; House Physician and Surg., Hudson St. Hosp., N. Y., 1906-07; House Surg., N. Y. Hosp., 1907-09.—Capt. Med. Corps, U. S. Army, Manila, P. I.

Blackman, Julian Raymond—A. B., Nebraska, 1902; Assistant in Physiol., Wisconsin, Madison, 1906-08; Physician, Hastings, Neb., 1908-09; Asst. Res. Gynecologist, 1909-10; Resident, Dr. Kelly's Private Hosp., Baltimore, 1910-12.—Physician, Hastings, Neb.

Bogart, Phoebe May—(Mrs. Van Voast), A. B., Wellesley, 1902; Interne, Woman's Hosp., Detroit, until Jan., 1907; Interne, Syracuse Hosp., N. Y., 1907-08.—Asst. Children's Div. Presbyterian Hosp. Disp.; Physician, New York.

Brown, Edwards Bennett—A. B., Beloit, 1901; Wis. Coll. P. and S., 1901-03.—Physician, Beloit, Wisconsin.

Burlingham, Louis Herbert—A. B., Yale, 1902; Med. House Officer, Mass. Gen'l Hosp., 1906-07; Asst. Res. Phys., Mass. Gen'l Hosp., Boston, 1907-12; Asst. Administr. Mass. Gen. Hosp., 1912.—Asst. Supt., Peter Bent Brigham Hosp., Boston.

Byrnes, Charles Metcalfe—S. B., North Carolina, 1902; Adj. Prof. of Anatomy, Virginia, Charlottesville, 1906-09.—Dispen. Neurol.; Instr. in Clin. Neurol., and Physician, Baltimore.

Caulk, John Roberts—A. B., St. John's, 1901; Georgetown, 1901-02; Interne and 2nd Asst. Res., Union Protestant Infirmary, 1906-07; Asst. Res. Surg., J. H. H., 1908-09; Asst. to Dr. Young, 1907-10. — G.-U. Surg., St. Luke's Hosp. and Mullanphy Hosp.; Instr. G.-U. Surg., Wash'g University; Editor, *Interstate Med. Jour.*, Collab. Editor, *Surg., Gynecol. and Obstet.*, and Surgeon, St. Louis.

Church, Franklin H.—A. B., Hamilton, 1902, and A. M., 1905; Interne, Utica General Hosp., 1906-07.—Asst. Gynecol., Utica Gen'l Hospital Hosp., Deputy Health Officer and Physician, Utica, N. Y., Physician in charge Univ. Penna. Expedition to S. Amer.

Cobb, Oren Howard — A. B., Harvard, 1902; Clin. Asst. Med., N. Y. P.-G. Hosp., 1906-07; Med. Inspect. Div. Child Hygiene, Dept. Health, N. Y., 1907-08; Res. Phys., N. Y. State Hosp. for Care of Crippled and Deformed Children, W. Haverstraw, N. Y., 1909-12.—Supt., Syracuse State Inst. for Feeble-minded Children, Syracuse.

Coffen, T. Homer—S. B., Penn., 1901, and M. S., 1905.—Instr. Clin. Pathol.; Asst. in Med., Cornell Univ. Med. Coll.; Asst. Visit'g Phys., Bellevue Hosp., O. P. D., Asst. Visit'g Phys. and Instr. in Medicine, the N. Y. Post-Graduate Hospital and Med. Sch., and Physician, N. Y., 1906-1913.—Physician, Portland, Ore.

Cole, Herbert Phalon—A. B., St. Lawrence, 1901; Student of Medicine, Minn., 1901-02 (F. A. C. S. 1914).—Assoc. Prof. Gynecol., Univ. Ala., and Gynecol., City Hosp. and Mobile Infrm., and Surgeon, Mobile.

Crispin, Egerton Lafayette—Ph. B., Illinois, 1902; Res. Pathol. and Physician, Penn. Hosp., Phila., 1906-10.—Surg., Mayo Clinic, Rochester, Minn.

Cross, Ernest Samuel—A. B., Dartmouth, 1901; Resident House Officer, 1906-07; Res. and Asst. Attend. Physician, Telfair Hosp., Savannah, Ga., 1908-09; Med. Dir. and Chief of Staff, *ibid.*, 1910.—Physician in charge, Aiken Cottage Sanatorium, and Physician, Aiken, S. C. (Nov. to May).

Cullen, Victor Francis—A. B., Rock Hill, 1902, A. M., 1906; Res. Surgeon, St. Joseph's Hosp., Baltimore, 1906-08.—Supt., Md. Tuberculosis Sanatorium, State Sanatorium.

Day, Gaston—S. B., Florida State, 1902; The New York Lying-in Hosp. (until Nov., 1906); House Surgeon, St. John's Riverside Hosp., Yonkers, N. Y., 1906-07.—Asst. in Surg., Duval Co. Hosp., and Physician, Jacksonville, Fla.

Duffy, Richard Nixon—A. B., North Carolina, 1902; Resident House Officer, 1906-07.—Physician, New Bern, N. C.

Ebersole, Francis Fisher—A. B., Cornell Coll., 1902; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1906-08.—Physician, Mt. Vernon, Ia.

Gray, Eugene Price—A. B., North Carolina, 1902; Interne, James Walker Memorial Hosp., Wilmington, N. C., 1906-07.—Supt., Health, Forsyth Co., and Physician, Winston-Salem, N. C.

Gray, Herbert Lee—A. B., Colby, 1902; Interne, Lying-in Hosp., N. Y. (4 mos.); Interne, Kingston Ave. Hosp., Dept. of Health, Brooklyn, N. Y., 1906-07.—Deputy Surg., N. Y. Hosp.; Clin. Asst., G.-U. Dept., N. Y. Polyclinic Hosp.; Chief Clin., G.-U. Diseases, Demmilt Disp., and Physician, N. Y.

Griffith, Franklin Webb—A. B., Western Maryland, 1902, and A. M., 1905; Externe in Gynecology, 1906-07; Asst. Resident and Act. Res. Gynecologist, 1907-11. — Surg. to Biltmore, Merriwether and Mission Hospitals, and Surg., Asheville, N. C.

Griswold, Arthur Heywood—A. B., Harvard, 1902; Interne, The Hartford Hosp., Conn., 1906-08.—Asst. Pathol. and Bact., Hartford Hosp., the Babies' Hosp., and Phys., Hartford, Conn.

Hazen, Henry Honeyman—A. B., 1902; Externe in Dermatol.; Chief Clinic, Freedman's Hosp., and Instr. Clin. Micpy., Howard Med. Sch., 1906-09. —Asst. in Dermatol., J. H. U.; Clin. Prof. Dermatol. Howard Univ; Visit'g Dermatol., Freedmen's Hosp. and Georgetown Univ. Hosp., Prof. Dermatol, Georgetown Univ., and Physician, Washington, D. C.

Helmholz, Henry Frederick—S. B., Wis., 1902; Summer Quarter, Chicago, 1902; Fellow in Pathology, 1906-1907; Voluntär Asst., Children's Clinic, Berlin, 1907-09.—Asst. Prof. Pediatrics, Rush. Med. Coll.; Member, Otho S. A. Sprague Mem. Inst.; Attend Phys., St. Joseph and Child Hospitals; Med. Dir., Infant Welfare Soc., and Physician, Chicago.

Hennington, Charles William — S. B., Rochester, 1902; Res. House Officer, and Asst. in Surg. Path., 1906-08.—Asst. Surg. Rochester Gen'l Hosp.; Surg., Rochester State Hosp. Assoc.; Editor *Buffalo Med. Journal,* and Surgeon, Rochester, N. Y.

Herrinton, Minerva—A. B., Cornell, Ia., 1900; Graduate Student, Lewis Inst. (Chicago), 1902; Physician, Evening Dispensary for Women and Children, Baltimore, 1906-08.

Hewitt, Joseph Henry — A. B., North Carolina, 1899, and Med. Dept., 1901-02; Harvard Summer, 1902; Res. Pathologist, Charity Hosp., 1906-07, Lakeside Hosp., 1907-08; Demonst'r, Pathol., Univ. Minn., 1909-10; Pathol., Ga. State Sanitarium, Milledgeville, 1910-11; Pathologist, St. Joseph and Children's Mem. Hospitals, Chicago, 1911-12; Prof. Pathol. and Bact., Baylor Univ., Dallas, Texas, 1912-13.—Pathol. City Hosp., Cleveland, Ohio.

Hinman, Frank—A. B., Leland Stanford, Jr., 1902; Lab. Asst. to Dr. Bloodgood, J. H. H., 1906; Res. Surg., St. Luke's Hosp., Spokane, Wash., 1907-08; City Bacteriol., Spokane, Wash., 1910-12.—Asst Res. Surgeon.

Hunt, Josephine Drummond—A. B., Kentucky, 1899, and A. M., 1902; Interne, Hospital for Women and Children, Syracuse, N. Y., 1906-07; Summer Interne, Babies' Hosp., N. Y., 1909.—Obstetrician, Good Samaritan Hosp., and Physician, to House of Mercy, Clin. Asst. Tub. Disp., and Physician, Lexington, Ky.

Hutchins, Elliott H.—A. B., St. John's, 1902; and A. M., 1906; Interne, Church Home and Infirmary, Balt., 1906-07; Res. Surg., Lakeside Hosp., 1907-08.—Physician, Balt.

Ingraham, Clarence B., Jr.—Ph. B., Yale, 1902; Interne in Obstetrics, 1906-07; Asst. Dr. Kelly's Sanitarium, Baltimore, 1907-09.—Instr. in Obstetrics, Univ. of Colo.; Obstet., St. Luke's; Gyn., Mercy, and City and Co. Hosps.; Med. Reserve Corps, U. S. A., and Physician, Denver, Col.

Iseman, Lawrence Lee—Ph. B., Lafayette, 1902; Seni Resident, Kensington Hosp. for Women, Phila., 1906-08.—Clin. Asst. in Surg.,N. W. Univ. Med. Sch.; Asst. Surg., Ill. Cent. R. R., and Physician, Chicago.

Kellam, William Finney — A. B., Randolph-Macon, 1902.—Physician, Onley, Va.

Kelley, Eugene Robert—A. B., Bowdoin, 1902; Interne, Carney Hosp., Boston, 1906-07—State Comm. Health and Physician, Seattle, Wash.

King, John Hendricken—A. B., 1899, and Grad. Student, 1899-02; Vol. Asst. and Asst. in Med., 1906-08; Instr. and Assoc. in Pathology, 1908-13.—Asst. Disp. Phys. and Instr. in Clin. Medicine.

Kingsbury, Mary Barker—A.B., Wellesley, 1899; Harvard, Summer School, 1899; Interne, The Babies' Hosp., Nee York, 1906-07.—Probation Officer for Female Probationers, Co. of Schuylkill and Physician, Pottsville, Pa.

Krechting, Wilhelm Edmund Harmon—A. B., Princeton, 1902; Asst. House Surg., N. Y. Lying-in Hosp., 1906-07; House Surg., J. Hood Wright Mem. Hosp., N. Y., 1907-09.—Physician, Washington, D. C.

Langnecker, Harry Leslie—A. B., Leland Stanford Jr., 1901; Res. House Officer, 1906-07; Orth. House Officer, Mass. Gen'l Hasp., 1908; Asst. Orthoped. Surg., Mass. Gen'l Hosp., 1909-11; Asst. Res. Phys. and Ortho. Surg., *ibid.*, 1911-14. — Ortho. Surg., Cambridge.

Lee, Andre Edward—A. B., Leland Stanford, Jr., 1902; Passed Asst. Surgeon, U. S. N., Mare Island Hosp., Calif., 1906-07; Naval Hospital, Canacao, P. I., 1907-08; Cruising Asiatic Sta., 1909; Mare Is. Hosp., Cal., 1910; P. A. Surg., U. S. N., Navy Recruit'g Sta., Buffalo, N. Y., 1910-12. —Surgeon, Amer. Legation, Peking, China.

Lewis, Joseph Stocking—A. B., Canisius, 1902; Graduate Student, Cornell, Summer, 1902; Interne, German Hospital, N. Y., 1906-09.—Asst. Surg., Children's Hosp., and Attend. Surg., Buffalo State Hosp., and Physician, Buffalo, N. Y.

Macht, David Israel—A. B., 1902; Harvard Summer Sch., 1903, 1904 and 1905; Vol. Asst., Klinik, Prof. Landau, Berlin, and Graduate work in Europe, 1906-07; Externe, Med. and Phipps Dispensaries, 1908-09; Asst. in Gynecol., Hebrew Hosp., 1908-10; Asst. in Med., 1908-13; Coroner, N. W. Dist., 1912-14.—Gynecol., Jewish Hosp. for Consumptives; Dispen Phys.; Instructor in Clin. Med., Lecture Asst. in Pharm., and Physician, Baltimore.

Marsden, George—Ph. B., Brown, 1900.—Physician, New Bedford, Mass.

Mason, Enoch Marvin—S. B., Alabama Polytechnic, 1900, and M. S., 1901; Resident House Officer, 1906-07; Ala. State Bact. and Pathol., 1908-11.—Phys., St. Vincent's Hosp. Clinic and Jeff. Co. Anti-Tubercul. Associa'n; Physician, Hillman Hosp., and Physician, Birmingham, Ala.

Meloy, Carl R.—A. B., Wittenberg, 1902, and A. M., 1905; Instr. in Pathol., Univ. of Virginia, 1906-07; Asst. in Pathol. and Asst. Resident Pathol., and Pathol., City Detention Hosp., Bay View, 1907-08; Adj. Prof. Pathol., Univ. of Va., Charlottesville, 1908-10.—Pathol. and Director of Lab'y, Grace Hosp., Detroit, Mich.

***Moore, Robert Emory**—A. B., 1902; Interne, King's Co. Hosp., Brooklyn, N. Y., 1906-08.—Asst. Visit'g Surg., Samaritan Hosp., and Kings Co. Hosp. and Allied Hospitals of Brooklyn, and Physician, Brooklyn; Clin. Asst., G.-U. Diseases, L. I. Coll. Hosp. **Sept.* 13, 1913.

Morse, Arthur Henry—A. B., Tufts, 1902; Harvard Medical Sch., Summer of 1903; Res. Pathol., R. I. Gen'l, Providence, 1906-07; Asst. Res. Obstetrician, 1907-08; Asst. Res. Surg., U. P. Infirm., 1908-09; Asst. Res. Obstet., 1909-10; Res. Obstetrician and Instr. in Obstetrics, 1910-11; Res. Surg., U. P. Infirmary, 1912-13. —Instr., Obstet. and Gynecol., Univ. of Calif., San Francisco.

Murdoch, Agnes Gordon—A. B., Woman's Coll. of Balto., 1902; Interne, New Eng. Hosp., Roxbury, Mass., 1906-07.—Med. Missionary Hwai Yuen via via Tientsin Pukow R. R., Anhwei, China.

Nast, Marie Eleanor — (Mrs. W. B. Wherry), A. B., Womans' Coll. of Balto., 1902; Chicago, 1902-03.—Cincinnati Hosp., Cincinnati, O.

Ortschild, John Francis—A. B., Leland Stanford, Jr., 1899; Asst. in Operative Surgery (H. L.), 1906-07; Asst. Res. Surg., 1907-08.—Portland, Ore.

Patek, Robert—S. B., California, 1901; Interne, City and Co. Hosp. S. F., 1906-07. — Asst. Surg., Emergency Hosp., and Physician, San Francisco.

Pels, Isaac Rosenbaum — A. B., 1902; Externe in Medicine, 1907; Interne, U. P. I., 1908.—Surg. Out-Patient Dept., Hebrew Hosp.; Consult. Dermatol, Balt. Eye, Ear and Throat Hosp.; Asst. in Clin. Dermatol., Dispen. Dermatol., and Physician, Baltimore.

Pfeiffer, Damon Beckett—A. B., Princeton, 1902; Interne, The German Hosp., Phila., 1906-09; Pathol., German Hosp.; Director, Clin. Lab., Presbyterian Hosp.; Surg. Abington Mem. Hosp., Instr. Surg., Univ. of Out-Patient Dept., German Hosp., and Physician, Philadelphia.

Putts, Benjamin Swayne—A. B., 1902; Res. Physician, Allegheny Gen'l Hosp., Pa., 1906-07; Physician, Mass. State Sanatorium, Rutland, 1907-08; Deputy Med. Director, Penna. State So., Mt. Sanatorium, Mont Alto, Pa., 1909-11. Physician, Erie, Pa.

Rea, Ralph R.—S. B., Iowa State, 1899. —Physician, Los Angeles, Calif.

Redewill, Francis Hamilton—S. B., California, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1906-07; Asst. Surg., Ft. Bayard, N. M., 1907-08; Student, Paris, 1910-11; Asst. Chief Surg., Randolph R. R. Lines; Phys. and Surg., Phoenix, Ariz.

Ridgway, Richard Frederic Lot—A. B., Princeton, 1898, and A. M., 1902; Res. Physician, Harrisburg Hospital, Pa., 1906-07.; Disp. Surg. and Anaesthetist, Harrisburg Hosp., 1909-12.—1st Asst. Phys., Penna. State Lunatic Hosp., Harrisburg.

Russ, Henry Camp—A. B., Yale, 1902; Res. Pathologist, The Lakeside Hosp., Cleveland, O., 1906-07; Asst. Supt., *ibid.*, 1907-08.—Physician in charge Lab., Charter Oak Private Hosp., and Physician, Hartford, Conn.

Sawyer, Harold Payne—S. B., Alabama, 1902; Asst. in Pathol., Bender Hygienic Lab. and Instr. in Pathol. and Bacteriol., Albany Med. Coll., N. Y., 1906-08; Instr. Pathol., Univ. and Bellevue Hosp. Med. Sch., 1908-09.—Asst. Pathol., Samaritan Hosp.; Pathol., Leonard Hosp.; Instr. in Clin.

Micpy., Albany Medical Coll., and Physician, Troy, N. Y.

Schorer, Edwin Henry—S. B., Wisconsin, 1902; Ph. D., Harvard, 1912; Rockefeller Inst. for Med. Research, N. Y., 1906-07; Instr. in Pathol. and Bacteriol., Univ. of Missouri, Columbia, 1907-08; Asst. Prof. Parasitology and Hygiene, *ibid.*, 1908-09; Asst. Prof. Bact. and Path., Univ. of Kansas, Lawrence, 1909-10; Special Investigator, Dept. Preventive Med. and Hygiene, Harvard Med. Sch., Boston, 1910-12.—Pediatrist, Kansas City, Mo.

***Seeley, Lamar**—A. B., Williams, 1902.

Seem, Ralph Berger—Ph. B., Lafayette, 1902; Senior Res. Physician, St. Luke's Hosp., South Bethlehem, Pa., 1906-08; Supt., J. Walker Mem. Hosp., Wilmington, N. C.—Director of Dispensary and Asst. Supt., J. H. H.

Sladen, Frank Joseph—A. B., Yale, 1902; Resident House Officer and Asst. Res. Physician in charge Md. Bacteriol. Lab.; Asst. in Med., 1906-08; Instr. in Med. and Asst. Res. Physician, 1908-10; Assoc. in Med. and Res. Physician, and Med. Adviser to the Students, 1910-13.—Chief, Medical Clinic, Detroit Gen'l Hosp., Detroit, Mich.

Sloan, Harry Gordon—A. B., Washington and Jefferson, 1902; Res. Surg., The Lakeside Hospital, Cleveland, 1906-09. —Demonst'r, Surg. Physiol., West. Res. Med. Dept., and Physician, Cleveland.

Stone, Harvey Brinton—A. B., 1902; Res. House Officer, 1906-07; Adjunct Prof. of Surg., Univ. of Virginia, Charlottesville, 1907-10.—Assoc. in Surg., Coll. P. and S.; Chief Surg., Md. Casualty Co.; Instr. in Clin. Surgery, Disp. Surg., and Surgeon, Baltimore.

Strouse, Solomon—A. B., 1902; Res. House Officer, 1906-07; Physician, O. P. D. Hebrew Hosp., 1907-09.—Assoc. Pathol. and Attend. Phys., Michael Rees Hosp., 1909-12.—Med. Director, Chicago-Winfield Tuber. Sanatorium, Instr. Clin. Med., Coll. of Med., Univ. of Ill., and Physician, West Side Disp., Chicago.

Thacher, Henry Clarke—A. B., Yale, 1902, M. S., 1904, and Med. Dept., 1902-03; House Officer, Bellevue Hosp., N. Y., 1906-08; Dr. Thayer's Asst., J. H. H., 1909-10.—Assoc. in Med., Columbia Univ.; Chf. Med. Cl. Vanderbilt Clin.; Asst. Visit. Phys., Roosevelt and Lincoln Hospitals, and Physician, New York.

Thompson, Philip Pickering—A. B., Dartmouth, 1902; Med. Sch. of Maine, 1902-03; Interne, Carney Hospital, Boston, 1906-07.—Instr. Gynecol., Med. Sch. of Me., Adj., G.-U. Surg., Me. Gen'l Hosp., and Physician, Portland.

Torrey, Harry Norton—S. B., Knox, 1900; Med. Dept., Mich., 1901-05, and A. M., 1905; Asst. in Bacteriol., 1904-05; Rockefeller Fellow, Univ. of Mich. Summer of 1906.—Director, Gen'l Surgery, Detroit Gen'l Hosp., Detroit, Mich.

Waite, Willis Willard—S. B., Wisconsin, 1902; Pathological Interne, City Hospital, Blackwell's Island, N. Y., 1906-07; Bacteriol., N. Y. City Dept. Health, 1907, Bureau of Health and St. Joseph's Hosp., and Physician, Syracuse N. Y.—Director, El Paso Med. Lab., El Paso, Texas.

Webb, Harold Randall—A. B., Bowdoin, 1902; Resident Physician, City Hosp., Waltham, Mass., 1906-08.—Physician, Arlington, Mass.

White, George Howard, Jr.—A. B., Princeton, 1902; Resident House Officer, 1906-07; Pathol., General Hosp., and Physician, Charleston, W. Va.

Wilbur, Frederick Petheram—A. B., Williams, 1902; Interne, City Hosp., Blackwell's Island, N. Y., 1906-07.—Physician, Franklin, N. J.

Winn, Nannie Lee—A. B., Woman's Coll. of Balto., 1900.—Physician, Clayton, Ala.

Winter, John Arthur—A. B., Michigan, 1902; Interne, The Lakeside Hospital, Cleveland, 1906-07; Physician and Surg., Calumet and Hecla Mining Co. Hosp., Calumet, Mich., 1907-08; Grad. Student in Europe, 1908-09; House Surgeon, Ill. Charitable Eye and Ear Infirmary, Chicago, 1909-10. —Physician, Duluth, Minn.

Winthrop, Gilman Joseph—A. B., Univ. of the South, 1902; Interne, Gouverneur Hosp., New York, 1906-08.—Instr. in Surg., Univ. of Ala., and Surgeon, Mobile.

Wolfort, Benjamin Edgar—S. B., Pennsylvania, 1902, and Med. Dept., 1901-02; Interne, Kingston Av. Hospital, Brooklyn, 1906-07; Interne, Jewish Hosp., Brooklyn, N. Y., 1907-08.—Asst. Orthopedic Surg., Jewish Hosp.; Surg., East N. Y. and Jewish Hosp. Dispensaries, and Physician, Brooklyn.

Wolman, Samuel—A. B., 1902.—Instr. in Clin. Med. and Dispen. Physician, and Physician, Baltimore.

Wroth, Peregrine, Jr.—A. B., 1902; Res. Physician. Union Protestant Infirmary, Balt., 1906-08.—Surgeon, Hagerstown, Md.

Straight, Persis Rosamond—A. B., Smith, 1902.—Physician, Bradford, Pa. (*Degree granted Nov. 5, 1906*).

1907

Adkins, Merle Theron — S. B., Beloit, 1903; Interne, Union Protestant Infirmary, 1907-08; Interne, Church Home and Infirmary, 1912-14.—Physician, Durham, N. C.

Barnes, Francis Merriman, Jr.—A. B., Hamilton, 1903; A. M., 1906; Asst. Phys. and Director Clin. Lab., Sheppard and Pratt Hospital, Towson, 1907-10; Clinical Director, Gov'mt Hosp. for Insane, Washington, D. C., 1910-13; Instr. Neurol. and Psych., George Washington Univ., 1911-13.—Asst. Prof. Nerv. and Ment. Dis., St. Louis Univ., 1913; Neurol., St. Mary's Hosp., 1913; Visit'g Neurol., St. Louis City Hosp., and Physician, St. Louis.

Beifeld, Albert Henry—A. B., Harvard, 1902; Interne and Assoc. Attend Phys., Michael Reese Hospital, Chicago, 1907-14. — Instr. Pediatrics, Univ. Mich., Ann Arbor.

Birge, Edward Grant—S. B., Wisconsin, 1903; Bacteriologist, Back River Disposal Wks., Colgate, Baltimore, 1907-11; Asst. Bacteriol., Penna. R. R. Co., Altoona, Pa., 1911-12.—Instr., Dept. Preventive Med. and Hygiene, Harvard Med. Sch., Boston.

Boyd, Montague Laffitte—Ph. B., Emory, 1903; Interne, Walker Mem. Hosp., Wilmington, N. C., 1907-08; Private Asst. to Dr. H. H. Young, 1908-09; Asst. Res. Surg., J. H. H., 1909-10.—Andrologist, Wesley Mem. Hosp.; G.-U. Surg., Moore Mem. Clinic, and Surgeon, Atlanta.

Bristol, Leverett Dale—S. B., Wesleyan (Conn.), 1903; Interne, Hartford Hosp., Conn. (summers), 1905-06; Instr. in Pathol. and Bacteriol., Coll. of Med., Syracuse Univ., N. Y., 1907-08; Physician, St. Paul Free Med. Disp.; Assoc. Phys., Univ. Hosp. and Clin. Asst. Med., Univ. Minn.; Med. Director, St. Paul Anti-Tub. Com.; Sec'y, Clin. Sec. Nat. Assn, Study and Prevention of Tuberculosis, and Physician, St. Paul, Minn., 1908-12; Assoc. Prof. Bact. and Director Bact. Lab., Med. Dept., Syracuse Univ., N. Y., 1912-14.—Prof. Bact. and Direct. Public Health Lab., Univ. N. Dak., Grand Forks.

Brown, Chester Timothy—S. B., Rutgers, 1903; Interne, N. Y. City Hospital, 1907-08.—Physician, East Orange, N. J.

Brown, Wade Hampton—S. B., Nashville, 1899, Chicago, 1902-03; Interne, Union Protestant Infirmary, Balt. (until Sept. 1, '07); Instr. in Pathol., Univ. of Virginia, Charlottesville, 1907-08; Instr. in Pathol., Univ. of Wisconsin, Madison, 1908-10; Asst. Prof. Pathol., *ibid.*, 1910-11; Prof. Histol. and Pathol., Univ. of N. C., Chapel Hill, 1911-13.—Assoc. Member, The Rockefeller Inst. for Med. Resch., N. Y.

Bullock, Frederick Dabney—S. B., Ky. State Coll., 1899; Interne, German Hosp., N. Y., 1907-08; Asst. Pathol., R. I. Gen'l Hosp., Providence, 1908-1909; Asst. in Cancer Research, Columbia Univ., 1909-13.—Associate in Cancer Research, *Ibid.*

Burbeck, Edward Kimball—A. B., Dartmouth, 1903.—Phys., Salem, Mass.

Burnside, Charles—Ph. B., Iowa Coll., 1903; Interne, Passavant Mem. Hosp., Chicago, 1907-08.—Physician, Los Angeles, Cal.

Carson, Waid Edwin—A. B., Ohio Wesleyan, 1900; Spg. and Summer Qrs., Chicago, 1903; Res. Phys., Allegheny Gen'l Hosp., Pittsburgh, 1907-08.—Physician, Pittsburgh.

Chesnutt, James H. — A. B., Virginia, 1903; Resident House Officer, 1907-08.—Physician, Hot Springs, Ark.

Clark, Eliot Round—A. B., Yale, 1903; Asst. Instr. Assoc. 1907-14. — Prof. Anat. Univ. of Mo., Columbia.

Clough, Paul Wiswall—S. B., Wisconsin, 1903; Resident House Officer, 1907-08; Asst. and Instr. in Med. and Asst. Res. Physician, 1908-11; Instr. in Med. in chg. of Biol. Div. of Med. Clinic, and Asst. Res. Phys., 1911-13.—Assoc. in Med., Resident Physician, and Med. Advisor to students.

Cort, Edwin Charles—A. B., Washington and Jefferson, 1901, and A. M., 1904; Student, West. Penna. Med. Coll., 1901-03; Externe in Medicine, 1907-08.—Med. Missionary, Chiengmai, Siam.

Cronk, Fred Yohn — S. B., St. John's, 1903, and A. M., 1907; Interne, Lakeside Hosp., Cleveland, 1907-09; Res. Surg., St. Agnes' Hosp., Balt., 1909-10.—Surg. in chief, M. E. Hosp., Guthrie, Okla.

Cunningham, Robert Law—A. B., Wabash, 1901; Resident House Officer, 1907-08; Instr., Physiol. and P.-C., Univ. of Calif., 1909-10; Res. Phys., Barlow Sanatorium, 1908-11; Instr. in Med. and Physical Diag., Univ. of Cal., 1910-12.—Attend. Phys., Barlow Sanator'm and L. A. Co. Hosp.; Chief Med. Dept. Selwyn Emmet Graves Disp., Med. Dept. Univ. Cal., and Physician, Los Angeles.

Davidson, Cline Flemming—S. B., Wabash, 1900; Illinois, 1901-03; Res. House Officer, 1907-08; Asst. Instr., Physiol., State Univ., Wash., 1908-09; Chief, City Med. Inspector, Pathol., City Hosp., 1911-14.—Chief, Med. Clinic, Seattle Public Schs., and Physician, Seattle, Wash.

Dernehl, Paul Herman—S. B., Wisconsin, 1903; Volun. Asst., Rostock, Germany, 1907-08; Asst. Ophthal., Clinic,

Strassburg, 1908-09.—Ophthalmol., Mt. Sinai Hosp., and Physician, Milwaukee.

Dinsmore, William Wirt—S. B., Alabama Polytechnic, 1903.—Physician, Decatur, Ala.

Dochez, Alphonse Raymond—A. B., 1903; Rockefeller Student in Path. Physiol., J. H. U., 1908; Fellow in Path., Rock Inst. for Med. Res., 1909-10; Bacteriol., the Hosp. of the Rockefeller Inst. for Med. Research, N. Y., 1911.—Res. Phys. and Assoc. in Medicine, *ibid.*

Dunlap, Robert Weyer—A. B., Washington and Jefferson, 1903; Interne, West Penna. Hosp., Pittsburgh, 1907-08.—Med. Missionary, Amer. Presbyterian Mission, Chefoo, Shantung Prov., China.

DuPree, Dan Hughes — S. B., Georgia, 1903; Grad. Student, Vienna, 1911; Exam. Phys., State Tub. Sanitarium; Director of Clinics, Univ. of Ga., Augusta, 1913. — Physician, Athens, Ga.

Gatch, Willis Dew—A. B., Indiana, 1901; Resident House Officer, 1907-08; Asst. Res. Surgeon and Asst. in Surgery, 1908-11.—Prof. of Surgery, Med. Sch. Univ. of Ind., Indianapolis.

Graber, Henry — A. B., Ursinus, 1903; Res. and Chief Res. Phys., Presbyterian Hosp., Philadelphia, 1907-10. —Physician, Royersford, Pa.

Greene, Inslee Blair—Ph. B., Yale, 1902; Interne, M. E. Hosp., Brooklyn, N. Y., 1907-08; Res. Physician, Seattle, Municipal Hosp., 1909. — Physician, Seattle, Wash.

Guthrie, Clyde Graeme—A. B., Lafayette, 1903; Resident House Officer, 1907-08; Instr. in Med., 1908-13; Assoc. in Med., in charge Clin. Lab., 1913-14. —Asst. Res. Physician and Assoc. in Med.

Hahn, Milton — A. B., Harvard, 1903; Interne, Mt. Sinai Hosp., New York, 1907-09.—Visit'g and Attend. Pediatrician, Freedman's Hosp., and Physician, Washington, D. C.

Harrison, Aleck Perkins—A. B., Florida State Coll., 1899; Res. Physician, St. Agnes' Hosp., Balt., 1907-08; Res. Physician, "Camp Greenbrier," Alderson, W. Va. (Summer of 1908); Private Physician, abroad, Summer, 1909; Phys. and Pathol., Springfield State Hosp., Md., 1909-10; Asst. Med. Director, "The N. W. Mutual Life Ins. Co. of Milwaukee"; Physician, Milwaukee, 1910-11.—Physician, Madison, Ind.

Hazlehurst, Franklin, Jr.—A. B., 1903; Act. Res. House Officer and Externe in Medicine, 1907-08; Volun. Asst., Ear Clinic, Univ. of Strassburg, 1909-10; Asst. Surg. and Chief of Dispensary Clinic, Presbyterian Hosp.; Asst. in Clin. Laryn. and Asst. Disp. Laryn., and Physician, Baltimore.

Hellenbrand, Ralph Wellington — A. B., Bowdoin, 1903.—Res. Surg., New York Hosp., N. Y.

Hellweg, Elizabeth Singley—A. B., Woman's Coll. (Balt.), 1899.—Asst. Phys., Manhat. State Hosp., Ward's Island, N. Y.

Henry, Gladys Rowena—(Mrs. George F. Dick), S. B., Nebraska, 1909; Resident House Officer, 1907-08; Asst. Res. Physician, 1908-09; Assoc. in Path., Rush Med. Coll.; Asst. Path., Anna Durand Hosp., 1910-14.—Evanston, Ill.

Heuer, George Julius—S. B., Wisconsin, 1903; Resident House Officer, Asst. Res. and Res. Surg., 1907-14.—Assoc. Surgeon.

Hill, Eben Clayton—A. B., 1903; Graduate Student, Freiburg, Summer, 1904, 1906; Res. Phys., Camp Champlain, Burlington, Vt., 1907-08; Asst. in Anatomy, 1907-08; 1st. Lieut., Med. Reserve Corps, 1908-09; Graduate, Army Med. Sch., 1909; 1st Lieut., 1909-11; Captain, Med. Corps, U. S. Army, 1912 (Retired, 1913).—Pathol. and Radiol., Vassar Hosp., Poughkeepsie, N. Y.

Hincher, Charles Lane—S. B., Rochester, 1903; Interne, Park Ave. Hosp., Rochester, N. Y., 1907-08.—O. P. D., Rochester Gen. Hosp., and Physician, Rochester, N. Y.

Hopkins, Joseph Gardner—A. B., Columbia, 1902; Resident House Officer, 1907-08; Assoc. in Bact., Columbia Univ., N. Y.

Kelley, Herbert Lester—A. B., Dartmouth, 1903; ; Asst. Surg., U. S. Navy, 1907-10; Passed Asst. Surgeon, U. S. Navy, Washington, D. C.

Krause, Allen Kramer — A. B., Brown, 1901, and A. M., 1902, and Graduate Student, 1902-03; Asst. and Instr. in Pathol., 1907-09.—Asst. Saranac Lab. for Study of Tuberculosis, Saranac Lake.

Law, Sally Porter—(Mrs. Alexius McGlannan), A. B., Bryn Mawr, 1903.—Baltimore.

Lyon, Bethuel Boyd Vincent—A. B., Williams, 1903; Res. Physician, German Hospital Phila., 1907-09; Demonst'r in Med., Jeff. Med. Sch., 1909-10.—Pathol., Methodist Hosp.; Asst. Pathol., German Hosp.; Asst. Phys., Med. Disp., Univ. Penna., and Physician, Philadelphia.

McLaughlin, Perry William—A. B., Pennsylvania Coll., 1903.—Physician, Newville, Pa.

Malone, Edward Fall—A. B., Vanderbilt, 1903; Clin. Asst. Sheppard-Pratt Hosp., Towson, 1907; Student, Berlin, Germany, 1907-10.—Asst. Prof. of Anat., Univ. of Cincinnati, O.

Orchard, Norris Gray—S. B., Fargo Coll., 1903; Interne, Rochester Gen'l Hosp., Rochester, N. Y., 1907-08.—Member, Jr. Med. Staff, Rochester Gen'l Hosp.; Asst. Chief of Staff, Infants' Summer Hosp., and Physician, Rochester.

Owens, Fred Thomas—A. B., Hamilton, 1903, A. M., 1906; House Physician, City Hospital, N. Y., 1907-08.—Surg. to Gen'l and St. Elizabeth's Hospitals; Surg. to Utica Disp., and Physician, Utica, N. Y.

Palmer, Charles Benjamin—A. B., Harvard, 1901; Med. Interne, Manhattan State Hosp. (6 mos.); Interne, N. Y. Post-Graduate Hospital, 1908-10; Physician, Las Chispas Mine, Sonora, Mexico, 1910-11.—Lieut., U. S. A. Med. Res. Corps and Physician, Phoenix, Ariz.

Parsons, William Turner—A. B., 1903.—Asst. Surg. Balt. Eye, Ear and Throat Hosp., and Surgeon, Baltimore.

Pauli, William Otto—A. B., Cincinnati, 1902; Asst. Biol., 1902-03; Resident House Officer, 1907-08.—Instr. Obstet.; Demonst'r in Clin. Micpy., Ohio-Miami Med. Coll., 1909-11.—Physician, Cincinnati.

Peirce, George—A. B., Haverford, 1903; M. A. and Ph. D., Berlin, 1912; Resident Physician, Dr. Grenfell's Hospital, St. Anthony, Newfoundland, 1907; Res. Physician, Penna. Hosp., Phila., 1908-09; Graduate Student, Berlin, Germany, 1909-12; Asst. in Physiol., Univ. Wisconsin, 1912-13, and Instructor in Pharmacol., *ibid.* 1913-14.—Instr. in Clin. Urol. in chg. Chem. Lab., Brady Urological Clinic.

Pessagno, Eugene Leo—A. B., 1903; Interne, St. Joseph's Hosp., 1907-1908; Asst. in Med., 1908-09.—Physician, Baltimore.

Plaggemeyer, Harry Ward—A. B., 1903; Interne, Kings County Hosp., Brooklyn, N. Y., 1907-09; Res. Surg., St. Mary's Hosp. for Children, N. Y. 1909-10; Asst. Res. Surg., G.-U. Dept., J. H. H., 1910-13.—Attend. Surg., Grace Hosp., and Director, Dept. Urological Surg., Detroit Gen'l Hosp., Detroit, Mich.

Preble, Paul—A. B., Bowdoin, 1903; Res. Surg., St. Agnes' Hosp., Balt., 1907-08.—Passed Asst. Surg., U. S. P. H. and M. H. S.—Hygienic Lab., U. S. P. H. S., Washington, D. C.

Randall, Alexander—A. B., St. John's, 1902, and M. A., 1907; Graduate Student, 1902-03; Interne, German Hospital, Philadelphia, 1908-09; Asst. to Dr. Young, Balt., 1909-10; Asst. Res. Surg., 1910-11.—Asst. Surg., G.-U. Disp., U. of Pa.; Asst. Instr. Surg., U. of Pa.; Consult. Surg., Germantown Hosp., and Surgeon, Phila.

Ray, Daniel Pattee—A. B., Dickinson, 1903, A. M., 1908; Res. Physician, McKeesport Hospital, Pa., and West Penna. Hosp., Pittsburgh, 1907-08.—Asst. Visit'g Phys., Conemaugh Valley Mem. Hosp., and Physician, Johnstown, Pa.

Rhodes, Clarence Adair—A. B., Randolph-Macon, 1903; Interne, St. Vincent's Hospital, N. Y., 1907-08; Interne, Willard Parker Hosp. (3 mos.); Res. Phys., N. Y. Foundling Hosp., 1909-10; House Phys. (St. John's Guild), Sea Side Hosp., New Dorp, S. I., N. Y., 1910-11.—Adj. Prof. Med. and Thera., Atlanta Coll. P. and S., and Physician in Chief, Wesley House Free Clinic for Children; Physician in Chief, Florence Home for Children; Attend. Phys., City Hosp. Contagious Diseases, Florence Crittenden Home, and Physician, Atlanta, Ga.

Riley, Charles Woodward—A. B., 1903; Interne, The Woman's Hosp. of the State of N. Y., N. Y. City, 1907-08; Interne, Riverside Hosp., N. Y., and Kingston Ave. Hosp., Brooklyn, 1908-09.—Physician, Baltimore.

Ross, Mary Jane—A. B., Cornell, 1898, and Ph. D., 1902; Woman's Med. Coll. of Penna., 1898-99; A. M., Pennsylvania, 1900; Interne, The Babies' Hospital, New York, June-Oct., 1907; Res. Pathol., St. Luke's Hosp., New Bedford, Mass., 1907-09.—Physician, Binghampton, N. Y.

Sandrock, Edgar Poe—A. B., 1903; Res. Physician, St. Agnes' Hosp., Balt., 1907-09; Differentiator, J. H. Disp., 1911-12.—Asst. Disp. Phys. Dept. Gastro-Intest. and Physician, Balt.

Schumacher, Hiram Sibley—Ph. B., Rochester, 1903; House Officer, Rochester Homeopathic Hosp., N. Y., 1907-08.—Asst. Attend. Phys., Rochester Homeo. Hosp. and Med. Disp., and Physician, Rochester.

Scofield, Raymond Brown—S. B., Rochester, 1902; Asst. Surg., U. S. Pub. Health and Marine Hosp. Service, Stapleton, S. I., N. Y. 1907-09; Asst. and House Surg., J. Hood Wright Mem. Hosp., N. Y., 1908-09.—Med. and San'y Advisor, Riverdale Health League, N. Y. C.; Phys., Yonkers Tub. Hosp. and Disp.; Asst. Phys., Sherman Mem. Disp., and Physician, Yonkers, N. Y.

Shallenberger, Will Farquhar—A. B., Washington and Jefferson, 1903, and A. M., 1912; Res. House Officer, 1907-08; Asst. Res. Physician,, 1908-09; Asst.. Res. Gynecologist, 1909-10; Res. Surg., Hosp. for Women of Md., 1910-11.—Chief, Cystoscopic Clin. Flor. Crittenden Home; Consult. Gyn., Hosp. Nerv. Dis.; Gyn., Moore Mem. Presby. Free Disp. and Clinic; Gynecol., Wesley House Clinic, and Gynecologist, Atlanta, Ga.

Smith, George Arthur—A. B., Yale, 1903; Interne, The Hartford Hosp., 1907-08. —Physician, Stepwey, Conn.

Smith, Joseph Tate, Jr.—A. B., 1903; Res. House Officer and Asst. Res. Obstetrician, 1907-09; Res. Gynecol., Lakeside Hosp., Cleveland, 1909-10.—Demonstr. in Gyn., West. Reserve, and Physician, Cleveland.

Souder, Charles Granville—S. B., Ohio State, 1903.—Pathol., St. Vincent's Hosp., and Physician, Toledo, O.

Stubenrauch, Charles Henry—A. B., 1903; Asst. Res. Physician, Church Home and Infirmary, Baltimore, 1907-08; Asst. in Med., 1908-10.—Physician, Havana, Ill.

Turkington, Charles Henry—Ph. B., Yale, 1903; Interne, Hartford Hosp., Conn., 1908-09.—Physician, Litchfield, Conn.

Watson, Percy Theodore—A. B., Carleton, 1903; Resident House Officer, 1907-08. — Med. Missionary, Fen-chofu, Shansi, China.

White, William Henderson—A. B., Dickinson, 1903; Interne, Paterson General Hospital, N. J., 1907-08; Interne, Riverside Contagious Hosp., North Bros. Is., N. Y., 1908-09; Hosp. Phys., N. Y. City Board of Health, Otisville Sanatorium, Otisville, N. Y.

Winternitz, Milton Charles—A. B., 1903; Fellow, Asst. Instr. and Assoc. in Pathol., 907-14.—Assoc. Prof. of Pathology; Pathol., City Hosp., Bay View.

Gilbert, George Burton — A. B., Yale, 1903; Interne, Hartford Hosp. (Mar. to June), 1908; Res. Phys., Cragmor Sanatorium, Colorado Spgs., 1909-10.—Director, Webb Tub. Research Lab.; Visit'g Phys., Sunnycrest Sanatorium, and Physician, Colo. Spgs., Colo. (*Degree granted, Feb'y* 22, 1908.)

Hartman, George W.—S. B., California, 1903; Res. Physician, The French Hosp., N. Y., 1907-08; House Surg., Flushing Hosp., Flushing, N. Y., 1908-09.—Adj. in G.-U. Surg., German Hosp., Staff S. F. Polyclin., and Physician, San Francisco, Cal. (*Degree granted February* 22, 1908.)

Partridge, Carroll Dunham—S. B., Vermont, 1900; Instr., Chicago Summer Qrs., 1904-05; Asst., Cornell, 1900-02; Carnegie Research Asst. in Organic Chem., 1907-08; Pathol., Thos. Wilson Sanitarium, Md., 1907-08; Pathol., State Infirmary, Tewksbury, Mass., 1908-10; Path. House Officer, Albany Hosp. and Asst. in Path., Albany Med. Sch., Albany, N. Y., 1910-11; Prof. Pathol. and Bact., Univ. Ga. Med. Coll., Augusta, 1911-13.—Asst. Bact. U. of Mich. Ann Arbor. (*Degree granted February* 22, 1908.)

Shore, Clarence Albert — S. B., North Carolina, 1901, M. S., 1902, and Med. Dept., 1903-04.—Director, State Lab. Hygiene, Raleigh, N. C. (*Degree granted January* 6, 1908.)

Tuttle, Lucius—A. B., Yale, 1901; Microscopist, Univ. Hosp. Disp., 1907-09; Asst. Demonst'r Pathol., Univ. of Penna., 1908-10; Demonst'r, Physiol., Jefferson Med. Coll., 1910-14.—Assoc. in Physiol., *ibid*, and Dir. Jeff. Physical Lab., Philadelphia (Aldan, Pa.). (*Degree granted April* 1, 1907.)

Wile, Udo Julius — A. B., Columbia, 1904, nnd Med. Dept., 1903-04; Vol. Asst., Dermatol. Clinic, Berlin, 1908-09; Chief, Clinic in Dermatol. and Syphilis, Beth Israel Hosp.; Attend. Dermatol., Hebrew Infant Asylum; Instr. Dermatol. and Syph., P. G. Med. Sch. and Hosp., and Physician, N. Y., 1909-12.—Prof. Dermatol. and Syphilol., Univ. Mich., Ann Arbor. (*Degree granted January* 6, 1908.)

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Appelbaum, Solomon J. — A. B., Rochester, 1904; Interne, West. Penna. Hosp., Pittsburgh, 1908-09.—Asst. Phys., Gen'l Hosp., and Physician, Rochester, N. Y.

Branch, Joseph Robson Bromwell—A. B., 1904; Res. House Officer, 1908-09; Med. Supt., The Macon Hosp., Macon, Ga., 1909-10.—Attend. Gynecol. to Macon Hosp., and Gynecol. Macon, Ga.

Brenizer, Addison Gorgas, Jr. — A. B., North Carolina, 1904; Krebs Inst., Heidelberg, Summer, 1907; Interne, Univ. of Heidelberg, Germany, 1908-09; Externe, Univ. Vienna, 1909; Res. Surgeon in charge Amer. Hosp., Paris, 1909-11.—Surgeon, Charlotte, N. C.

Brotherhood, James Stewart—S. B., Dartmouth, 1904; Res. House Officer, 1908-09; Asst. Res. Physician and Asst. in Med., 1909-10; Res. Physician, Sydenham Hosp., Balt., 1910-11; Res. Phys., Wash. Univ. Hosp., and Asst. in Med., Wash'g Univ., St. Louis, Mo., 1911-12. — Assoc. Physician Clifton Spgs. Sanitarium, N. Y.

Bryant, Carl Herbert—Ph.B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-10.—Physician, Kansas City, Mo.

Burns, Jonathan Edward, Jr. — A. B., Virginia, 1904; Interne, Union Protestant Infirmary, Baltimore, 1908-09. —Physician, Wheeling, W. Va.

Carstens, Christian Frederick — A. B., Lake Forest, 1901; Interne, City Hospital, N. Y., 1908-09.—Physician, Keewatin, Minn.

Clarke, Ralph DeBallard—A. B., N. Y. Univ., 1904; Interne, Post-Grad. Hosp., N. Y., 1908-10; House Phys., Home for Convales. Babies, Sea Cliff,

L. I., N. Y., 1910-11; Res. Surg., Nances Cay Hosp., Bocas del Toro R. de Panama, 1911-12.—Asst. in Pediatrics, New Haven Disp., and Physician, West Haven, Ct.

Cooke, Jean Valjean—A. B., West Virginia, 1903, and Yale, 1904; Harvard Med. Sch. (Summer), 1906; Instr., Pathol., Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-10; Res. Pathol., Penna. Hosp., Phila., 1910-11; Instr. Pathol., Tulane Univ., and Jr. Pathol., Touro Infirm., New Orleans, La., 1911-12.—Asst. Prof. Pathol. and Dir. Lab., Animal Exp., Univ. of Calif., and Pathol., Univ. Hosp., San Francisco.

Coolahan, Edward Vincent—A. B., Rock Hill, 1903; Res. Phys., St. Vincent's Hosp., N. Y., 1908-10.—Phys. Floating Hosp. St. John's Guild, 1910; Resident N. Y. Foundling Hosp., 1910-11.—Asst. Disp. Phys. and Physician, Baltimore.

Coughlin, Frederick Aloysius — A. B., Brown, 1904; Interne, City Hosp., Boston, 1908-10; Res. Surg., Carney Hosp, Boston, 1910-13.—Asst. Surg., St. Joseph's Hosp., and Surgeon, Providence, R. I.

Crowe, Samuel James—A. B., Georgia, 1904; Assistant in Surgery (H. L.), 1908-09; Asst. Res. Surg. and Asst. in Surg., 1909-12.—Laryn. in Chg. and Assoc. in Clin. Laryngology.

Demirs, Edward Adams—Ph. B., Yale, 1904; Interne, N. Y. Health Dept. to Jan. 1, 1909; Interne, Hartford Hosp., Conn., 1909-10.—Physician, Hartford.

***Denison, Henry Strong**—A. B., Cornell, 1905; Interne, Mass. Gen'l Hosp., Boston, 1908-09.

Denner, William Reuben S.—A. B., Penna. Coll., 1904, and A. M., 1907; Interne, West. Penna. Hosp., Pittsburgh, 1908-09; Asst. in Clin. Pathology, Univ. Pittsburgh, 1909-10; Res. Pathol., St. Francis' Hosp., Pittsburgh. 1909-12.—Physician, Manchester, Md.

Derge, Herman Ferdinand—A. B., Wisconsin, 1904; Resident House Officer, 1908-09.—Surgeon, Eau Claire, Wis.

Drinkard, Robert Uriel—S. B., Virginia Polytech., 1904; Interne, Nursery and Child's Hosp., N. Y., 1908-10.—School Inspector and Surgeon, Wheeling, W. Va.

Duke, William Waddell—Ph. B., Yale, 1904; Res. House Officer, Mass. Gen'l Hosp., Boston, 1908-10; Grad. Student, Vienna and Tübingen, 1910-11. —Asst. in Medicine, Univ. of Kansas, and Physician, Kansas City, Mo.

Evans, Herbert McLean—S. B., California, 1904; Med. Dept., 1904-05; Assistant Instr. and Assoc. in Anatomy, 1908-12.—Associate Professor.

Flanagan, James Thomas—A. B., Mt. St. Mary's, 1903, and A. M., 1905; Grad. Student, 1903-04; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1908-10; Adj. Vis. Obstet., Kings Co. Hosp., 1912; Clin. Asst. Surg., L. I. Coll. Hosp., 1911-12.—Asst. Visit. Phys., King's Co. Hosp., and Physician, Brooklyn, N. Y.

Frow, James Richard—A. B., Lafayette, 1904; Grad. Student, Wisconsin, Summer, 1905; Interne, Wilkes-Barre City Hosp., Pa., 1908-09; Asst. Surg., Southern Branch Nat'l Home for Disabled Volun. Soldiers, Nat'l Soldiers Home, Va., 1909-12.—Citrus Grower, Zolfo, De Soto Co., Fla.

Fuerbringer, Ralph Ottomar—A. B., 1904; Res. House Officer, 1908-09; Asst. Surg. Clinic, Univ. of Marburg, 1910-11.—Phys. Saginaw, Mich.

Grimm, Randolph Macon — A. B., Randolph-Macon, 1902, and A. M., 1903; Bacteriol., State Lab. Hygiene, Raleigh, N. C. (Oct., 1908); Asst. Surg., U. S. P. H. and M.-H. Service, 1908-12.—Passed Asst. Surg. U. S. P. H. Service, Hygienic Lab., Washington, D. C.

Grove, William Edward—A. B., Wisconsin, 1904; Instr. in Pharmacol., Univ. of Wisconsin, Madison, 1908-09; Res. Phys., Clifton Spgs. Sanitarium, N. Y., 1909-11; Student in Berlin, 1911-12.—Physician, Milwaukee, Wis.

Gundrum, Frederick Fretageot — A. B., Leland Stanford, Jr., 1903; Res. House Officer, 1908-09; Demonst'r in Anat., Univ. of Pittsburgh, and Res. Surg., St. Francis' Hosp., Pittsburgh, 1909-10.—Consult. Phys., Sacramento Co. Hosp.; Dir., N. Calif. Bch. State Hygienic Lab., Vice-Pres. State Bd. Med. Ex., and Physician, Sacramento, Cal.

Haas, Sylvan Lewis—S. B., California, 1904; Res. Pathologist, Lakeside Hosp., Cleveland, 1908-10; Interne, Lane Hosp., 1909-10.—Asst. in Surgery, Stanford Univ., and Physician, San Francisco, Cal.

Hanes, Frederic Moir—A. B., North Carolina, 1903; A. M., Harvard, 1904; Student, Leipzig and Freiburg, 1905-06; Res. House Officer, 1908-09; Assoc. in Pathol., Coll. P. and S., Columbia, and Assoc. Vis. Pathol., Presbyterian Hosp., N. Y., 1912-13; Asst. Res. Phys., Rockefeller Hosp., N. Y.—Physician, O. P. D. Wash. U. Hosp. and Instr. in Neurol. Washington U. St. Louis.

Hanson, Henry—A. B., So. Dakota, 1902; Asst. Chem. Lab., 1902-04; Asst. Supt. and Pathologist, Milwaukee Co. Hosp., Wauwatosa, Pathol., Trinity Hosp. and Assoc. Prof. Pathol., Milwaukee Med. Sch., Wis., 1908-09; Prof. Clin.

Micpy., Wis. Coll. P. and S., 1909.—Director, Bact. Lab., State Board of Health, Jacksonville, Fla.

Harrison, Paul Wilberforce—A. B., Nebraska, 1905, and Med. Dept., 1903-05; Interne, Mass. Gen'l Hosp., Boston, 1908-09.—Med. Missionary, Kuwait, Persian Gulf, Arabia, via Bombay.

Higgins, William Harry—A. B., Central (Ky.), 1904; Interne, Allegheny Gen'l Hosp., Pa., and Res. Housue Officer, 1908-09; Asst. Res. Clifton Spgs. Sanitarium, N. Y., 1909-11. — Assoc. in Med., Coll. of Va., and Physician, in Pract. of Med., Coll. of Va.; Med. Supt., Hygeia Hosp., and Physician, Richmond, Va.

Hill, Miner Clifford — S. B., Princeton, 1904; Instr. in Pathol., N. Y. Univ. and Bellevue Hosp. Med. Sch., N. Y., 1908-09; Interne, St. Luke's Hosp., N. Y., 1909-10; Res. Pediatrist, Bellevue Hosp., 1910-12.—Physician, N. Y.

LaMont, Charles Augustus—A. B., Yale, 1905; Interne, Hudson St. Hosp., N. Y., 1908-10.—Pathol., Aultman Hosp. and Physician, Canton, O.

LeCron, Wilbur Leslie—A.B., 1904, Grad. Student, Leipzig and Freiburg., 1905-06; Interne, Hartford Hosp., Conn., 1908-10; Pathol. and Res. Surg., Columbia Hosp., 1910-13.—Surg., Milwaukee, Wis.

Lindeman, Edward Emanuel — Ph. B., Yale, 1905; Act. Asst. Surg., U. S. Pub. Health and Marine Hosp. Service, N. Y. (3 mos.); Asst. in Pharmacol., Univ. Mich., Ann Arbor, 1908-09; Director, Tampa Lab., State Board Health, Fla., 1909-10; House Officer, Children's Hosp., Boston, 1910-11; Res. Phys., Bellevue Hosp., N. Y., 1911-12.—Physician, New York.

Lindsay, Janvier Whitton—A. B., Columbia, 1904; Interne and Chief Res. Phys., Garfield Mem. Hosp., Washington, D. C., 1908-12.—Attend. Surg., George Washington Hosp. Disp.; Mbr. Bd. Directors and Consult. in Med., Woman's Clinic; Asst. Pathol., Garfield Hosp., and Physician, Washington, D. C.

Masenheimer, Harry Walter—A. B., St. John's, 1904; Interne, Presbyterian Hosp., Pittsburgh, 1908-09; Res. Surg., Lakeside Hosp., Cleveland, 1909-13.—Demonst'r Surg., West Reserve Med. Sch.; Jr. Visit'g Surg., German Hosp., and Physician, Cleveland.

May, Charles Henry—A. B., Penna. Coll., 1904; Resident Physician, Presbyterian Hosp., Pittsburgh, 1908-09.—Physician, York, Pa.

Mayo, Robert William Bainbridge—A. B., Maryland Agricult., 1903, and M. S., 1904; Supt., Gulf Coast Sanatorium, Miss., 1908-09; Asst. Res. Church Home and Infirm'y, 1909-10; Res. Surg., Hosp. for Women of Md., 1910-12.—Assoc. in Med., Coll. P. & S.; Instr. in Clin. Med. and Dispen. Physician, and Physician, Baltimore.

McCann, James Alphonsus—Ph. B., Brown, 1904; Interne, R. I. Gen'l Hosp., Providence, 1907-09.—Physician, Providence.

McClure, Roy Donaldson — A. B., Ohio State, 1904; Grad. Student, Prague, 1906; House Surg., New York Hosp., N. Y., 1909-12; Asst. Res. Surg., J. H. H., 1912-13.—Resident Surg. and Instr. in Surg.

McDonnell, Patrick Joseph—Ph. B., Wesleyan (Ct.), 1904; Interne, Kings Co. Hosp. (to Oct. 15, 1908); Interne, Providence Hosp., Washington, D. C. (to Mar. 1, 1910); Asst. Res. Manhattan Maternity Hosp., N. Y. (to June 1, 1910); Asst. Res. Seaside Hosp., S. I., N. Y. (to July 1, 1910).—Phys. and Surg. Tonopah Mines Assn., and Physician, Tonopah, Nev.

Mills, Charles Wilson—A. B., Williams, 1902; Res. House Officer, 1908-09.—Asst. Physician, Loomis Sanatorium, Loomis, N. Y.

Morrill, Warren Pearl—Ph. B., Michigan, 1898; Med. Dept., Illinois, 1904-05; Interne, Children's Free Hosp., Detroit, 1908-09; Resident Physician and Supt., Sydenham Hosp., Baltimore, 1909-12; Supt., Winnipeg Gen'l Hosp., Manitoba, 1912-13. — Benton Harbor, Mich.

Ney, Grover Cleveland—A. B., Mt. St. Joseph's, 1904, and A. M., 1908; Med. Supt., Hebrew Hosp., 1908-12.—Visit'g Surg., *ibid.*, and Surgeon, Baltimore.

Oppenheimer, James Harry—A. B., Harvard, 1904; Res. House Officer, 1908-09; European Clinics, 1909-10.—Physician, Philadelphia.

Preston, Robert Sheffey—A. B., Hampden-Sidney, 1903; A. M., Princeton, 1904; Interne, Bellevue Hosp., N. Y., 1909-11.—Assoc. in Med.., Instr. in Pathol. and Pediatrics, Med. Coll. of Va., and Physician, Richmond.

Ray, Frederick Sylvanus—S. B., California, 1904; Res. House Officer, 1908-09; Asst. Res. Surgeon and Externe in Gynecol., 1909-11.—Physician, Los Angeles, Cal.

Ray, Lilian Emeline—A. B., Leland Stanford, 1897, and A. M., 1901; Interne, The Hosp. for Women and Children, Syracuse, N. Y., 1908-09; Clin. Asst., Rochester State Hosp., N. Y., 1909.—Exam. Phys., Los Angeles City High Sch. for Girls, and Physician, Los Angeles, Cal.

Ridges, Alfred Joseph, Jr.—S. B., Utah, 1900.—Physician, Salt Lake City, Utah.

Rinde, Hamilton—A. B., N. Dakota, 1902. —Asst. Phys., Conn. Hosp. for Insane, Middletown.

Robinson, James Lee—A. B., Texas, 1904; Summer Session, Harvard Med. Sch., 1906; Res. Pathol., Mass. State Hosp., Summer, 1908; Resident House Officer, 1908-09; Surg., Roanoke Rapids (N. C.) Mills Co., 1909; Contract Surg., U. S. Army, 1910; 1st Lt. Med. Reserve Corps, U. S. Army, and Army Med. Sch., Washington, D. C., 1910-11.—1st. Lt. Med. Corps, U. S. Army, San Antonio, Texas.

Scarborough, James Isaac—A. B., Princeton, 1904; Interne, Asst. Res. and Res. Surg., Union Protestant Infirmary, Baltimore, 1908-12.—Asst. Surg. Pathol., and 1st Surg. Asst., Mayo Clinic, Rochester, Minn.

Selling, Laurence—A. B., Yale, 1904; Res. House Officer, 1908-09; Fellow in Pathol. (Rockefeller-Grant), 1909-10.—Instr. Med. U. of Oregon, and Physician, Portland, Ore.

Shugerman, Harry Philip—A. B., Howard Coll., 1901; Columbia, 1902-04; Interne, U. P. I., Balt. (3 mos.); Army Med. Sch., Washington, D. C., 1909-10. — Phys., Hillman Hosp., Assoc. Phys. B'ghm. Tuber. Disp.; Instr. Med. U. of Ala.; Sec.-Treas. Jeff. Co. Med. Soc., and Physician, Birmingham, Ala.

Stacy, Roland Leighton—A. B., Dickinson, 1904, and A. M., 1907; Res. House Officer, 1908-09; House Surg., Ogdensburg City Hosp., N. Y., 1909-10.—Physician, Ogdensburg, N. Y.

Thalheimer, William M. — S. B., Richmond, 1903; Summer Sessions, Cornell, 1902 and 1903; Interne, Mt. Sinai Hospital, N. Y., 1908-10; Instr. in Pathol., Univ. of Va., Charlottesville, 1910-11.—Fellow in Pathol., Mt. Sinai Hosp., and Physician, N. Y.

Thomas, Albert Agnew—A. B., Indiana, 1904; Interne, Allegheny General Hosp., Pa., 1908-09. — Physician, Linton, Ind.

Tracy, Dwight Wallace—Ph. B., Yale, 1904; Interne, Hartford Hosp., Conn., 1908-09. — Member, Bd. of Health, and Physician, Hartford, Conn.

Vest, Cecil Woods—S. B., Iowa Coll., 1904; Externe in Gynecol., 1908-09; Asst., Dr. Kelly's Sanitarium, 1909-10; Asst. Res. Gynecol., 1910-12; Res. Gynecol. and Instr., 1912-13.—Physician, Baltimore.

Wilson, James Homer—Ph. B., Lafayette, 1904; Interne, Gouverneur Hosp., N. Y., 1908-09; Med. Corps, U. S. Army, Washington, D. C., 1911-12.—Phys. for Allegheny Co. and Visit'g Phys., West. Md. Hosp., and Physician, Cumberland.

Worthington, Joseph Kent—A. B., Haverford, 1903; Interne, Roosevelt Hosp., N. Y., 1908-09.—Assoc. Attend. Physician, Nassau Hosp., and Physician, Roslyn, L. I.

Clark, Webster Kimball—Ph. B., Yale, 1904.—Pathol., Franklin Co. Hosp., and Physician, Greenfield, Mass. (*Degree granted April 5, 1909.*)

Porter, Frank Gibson — A. B., 1904; Pathol., Dr. Brown's Private Hosp., and Asst. Pathol., Mountainside Hosp., Montclair, N. J., 1908-09.—Physician, Baltimore. (*Degree granted March 1, 1909.*)

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Austrian, Charles Robert—A. B., 1904; Resident House Officer, 1909-10; Asst. and Instr. in Medicine, 910-14; Asst. Res. Physician in chg. Lab.. Phipps Disp., 1911-13.—Assoc. in Medicine, and Asst. Physician.

Baetjer, Walter Albert — A. B., 1905; Resident House Officer, 1909-10; Asst. in Medicine and Asst. Res. Physician, 1910-11; Res. Phys., City Hosp., Bay View, 1911-12; Asst. in Med. and Asst. Res. Physician, 1912-13.—Instr. in Med. in chg. Clin. Lab. and Dispen. Physician.

Bass, James Alvin—A.B., 1905—Passed Asst. Surg., U. S. Naval Acad., Annapolis.

Birdsong, Julian Lee—S. B., Nashville, 1899; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Hartford, Conn.

Budd, Samuel Walthall—A. B., Hampden-Sidney, 1904; Graduate Student, 1904-05; Resident House Officer, 1909-10; Pathol., Norfolk Protest. Hosp., 1910-14. — Assoc. Prof. Pathol. and Assoc. in Med., Med. Coll. of Va., Richmond.

Burrows, Montrose Thomas—A. B., Kansas, 1905; Asst. Rockefeller Inst. for Med. Research, N. Y., 1909-11.—Instr. Anat., Cornell, N. Y.

Cashman, Bender Zelotes—A. B., Pennsylvania Coll., 1905; Interne, West. Penna. Hosp., Pittsburgh, 1909-10; Res. Surg., St. Francis' Hosp., Pittsburgh, 1910-12. — Physician, Pittsburgh, Pa.

Cecil, Arthur Bond—A. B., St. John's, 1905; Late Asst. Surg., U. S. Navy, 1909-10; Grad., U. S. Naval Med Sch., 1910; Asst. Surg., N. Y. Naval Hosp., 1910; Asst. to Dr. Young, 1911-12; Asst. Res. Surg., 1912-13.—Instr., G.-U. Surg., Univ. Calif., Los Angeles.

Child, Florence Chapman—A. B., Bryn Mawr, 1905; Interne, Hosp. for

Women and Children, Syracuse, N. Y., 1909-10; Interne, Babies' Hosp., N. Y., 1911; Clin. Asst. Gyn. and Pediatrics, Women's Hosp. of Phila., 1912; Visit. Phys., Florence Crittenden Home of Phila., 1913.—Asst. Kensington Disp. for Tub.; Medical Inspector of Schools, and Physician, Philadelphia.

Cole, Walter Francis—S. B., Clemson, 1902; A. B., North Carolina, 1905; Surgeon, Greensboro, N. C.

Connett, Harry Lewis — Ph. B., Ohio Univ., 1905; Physician, Dr. Hyde's Private Hosp., Nelsonville, O., 1910-12. — Asst. Prof. Pathol., Creighton Med. Sch., and Physician, Omaha, Neb.

Crawford, Jennings—Ph. B., Coe, 1905; Interne, Hartford Hosp., Conn., 1909-11.—Physician, Cedar Rapids, Ia.

Dimon, James Watson Williams—A. B., Williams, 1905; House Physician, Faxton Hosp., Utica, N. Y., 1909-10. —Physician, Utica, N. Y.

Elliott, John Roscoe — A. B., Western Maryland, 1905.—Interne and Asst. Supt., R. I. Gen'l Hosp., Providence, 1909-12.—Physician, Laurel, Del.

Emmert, Max — A. B., Iowa, 1905.—Physician, Atlantic, Ia.

Essick, Charles Rhein—A. B., Yale, 1905; Asst. and Instr. in Anat., 1909-12.—Assoc. in Anatomy.

Estes, William Lawrence, Jr. — A. B., Lehigh, 1905; Resident House Officer, 1909-10; Asst. in Mayo Clinic, Rochester, Minn., 1910-12.—Chief Staff, St. Luke's Hosp., and Physician, So. Bethlehem, Pa.

Ferenbaugh, Thomas Ludlow—A. B., Kenyon, 1905; Graduate, Army Med. Sch., Wash., D. C., 1910.—Captain, Med. Corps, U. S. Army, Fort St. Michael, Alaska.

Fisher, Arthur Oscar—A. B., Wisconsin, 1905; Resident House Officer, 1909-10; Asst. Res. Surgeon, 1910-11; Asst. in Surg., Washington Univ., 1911-14.—Instr., *ibid.*, and Res. Surg., Washington Univ. Hosp., St. Louis.

Fletcher, H. Quigg—A. B., Georgia, 1904; Resident House Officer, 1909-10; Asst. Res. Surg., U. P. I., Balt., 1910-11. —Visit'g Phys., Baroness Erlanger Hosp., Woolford Infirmary and Florence Crittenden Home, and Physician, Chattanooga, Tenn.

Gentry, Ernest Robert—A. B., Kansas, 1905, and Med. Dept., 1905-1906; Army Med. Sch., Washington, D. C., 1909-11; Lab. Surg. Gen'l Office, Wash., Summer, 1910; 1st Lieut. Med. Corps, U. S. Army, Ft. Leavenworth, Kans., 1910-11.—M'br, U. S. Army B'd for Study Trop. Diseases, and 1st Lieut., Med. Corps, U. S. Army, Manila, P. I.

Girdwood, Ethel Mathews—(Mrs. George Peirce), A. B., Bryn Mawr, 1903; Asst. in Pathol., Univ. Wisconsin, Madison, 1912-13.—Baltimore.

Goetsch, Emil — S. B., Chicago, 1903, and Ph. D., 1906; Fellow, Asst. and Assoc. in Anat., *ibid.*, 1904-08; Research Asst., Dept. of Exp. Therapeut., *ibid.*, 1908 and 1909; Assistant in Surg. (H. L.), 1909-10; Asst. Res. Surgeon, 1910-12.—Res. Surg., Peter Bent Brigham Hosp., and Asst. in Surgery, Harvard Med. Sch., Boston.

Hart, William Ernest—S. B., Washington and Jefferson, 1905; House Gynecol., Roosevelt Hosp., N. Y., 1909-11; Interne, Manhattan Maternity Hosp., 1911; Tuxedo Hosp., Tuxedo, N. Y., 1911-12.—Asst. Attend. Surg., Washington Hosp., Washington, Pa.

Harvey, Thomas William, Jr. — S. B., Princeton, 1905; Interne, Presbyterian Hosp., N. Y.; Surg., N. Y. Lying-in Hosp. (to Jan., 1912).—Asst. Attend. Surg., Orange Mem. Hosp., and New Jersey Ortho. Hosp., and Physician, Orange, N. J.

Jeans, Philip Charles — A. B., Kansas, 1904; Interne, Hartford Hosp., Conn., 1909-10; Interne, Children's Hosp., Boston, 1910-11; Interne, Boston Floating Hosp.; Res. Phys., Boston Disp., Hosp. for Children, 1911-12; Resident Phys., St. Louis Child. Hosp., 1912-13; Asst. in Pediatrics, Wash'g Univ. Med. Sch., from Sept., 1912.—Asst. Physician and Act. Chf. Med. Clin., St. Louis Children's Hosp., Asst. in Pediatrics, Washington Univ., St. Louis.

Kingsley, Charles Rawson, Jr. — S. B., New York Univ., 1905; Resident House Officer, 1909-10.—Pathol., St. Vincent's Hosp.; Adj. Physician, S. R. Smith Infirmary; Asst. Visit. Phys., Sea View Hosp.; Asst. Bact., N. Y. Quarantine Sta., and Physician, West New Brighton, N. Y.

Mann, Baldwin—A. B., Williams, 1905; House Officer, N. Y. City Hosp., 1909-10.—Bact., Roosevelt Hosp., and Physician, N. Y. City.

Meader, Fred Marlin—S. B., Wesleyan (Conn.), 1902, and M. S., 1905.—Assoc. Prof. Hygiene and Preventive Med. and Dir., Div. Communicable Diseases, N. Y. State Dept. Health, Albany.

Moss, Philip Ball—S. B., Central (Ky.), 1905; Interne, Union Prot. Infirmary, 1909-10.—State Pathol., Montgomery, Ala.

Murphy, James B.—S. B., North Carolina, 1905; Med. Interne, Pathological Inst., Ward's Is., N. Y., 1909-10.—Assoc. in Path., and Bact., The Rock. Inst. for Med. Res., New York.

Nixon, Patrick Ireland — A. B., Texas, 1905; Resident House Officer, 1909-10; Asst. Res. Surg., 1910-11.—Surgeon, San Antonio, Texas.

Pretz, George Rupp—S. B., Penna. Coll., 1905, and M. S., 1908. — Physician, Lebanon, Pa.

Schaefer, Solomon W.—A. B., Washington and Lee, 1904; Resident House Officer, 1909-10; Gyn., County Hosp. and Surg. Attend. Free Disp., and Physician, Portland, Ore., 1910-12.—Res. Phys., The Glockner Sanatorium, and Physician, Colorado Springs.

Sellards, Andrew Watson—A. B., Kansas, 1903, and A. M., 1904; Instr., Tropical Med. and Asst. Res. Phys., Philippine Gen'l Hosp., and Asst. to Bureau of Science, Manila, P. I., 1909-11.—Asst. Res. Physician and Instr. in Med. in chg. Biol. Div. Med. Clinic.

Sprunt, Thomas Peck—A. B., Davidson, 1903; Asst., Instr., and Assoc. in Pathol., 1909-13.—Instr. in Med., and Asst. Res. Physician.

Stewart, James Russell—A. B., Lake Forest, 1905; Interne, New Haven Hosp., Conn., 1909-10.—Asst. Resident, Adirondack Cottage, Sanitarium, Saranac Lake, 1911-12.—Physician, Colorado Springs, Colorado.

Stick, Edward Wentz—A. B., Franklin and Marshall, 1904; House Officer, M. E. Hospital, Philadelphia, 1909-10; Chief Res. Phys., Kensington Hosp. for Diseases of Women, Phila., 1910-11.—Physician, Hanover, Pa.

Thomson, Herbert Sedgefield—S. B., California, 1904; House Officer and Surg., New York Hospital, 1909-11; Phys., Public Athletic League and Physician, Baltimore, 1911-12.—Asst. in Surg., Univ. Calif. Med. Dept., and Physician, Berkeley.

***Trotter, Charles Edward**—S. B., N. C. Coll. Agricult. and Mechanic Arts, 1903; Grad. Student, 1904-05.

Waite, Robert Lester—Ph.B., Yale, 1905; Clin. Asst., South Balt. Eye, Ear and Throat Charity Hosp., 1909-10.—Asst. Ophthalmic and Aural Surg., Hartford Hospital, and Physician, Hartford, Conn.

Walker, Isaac Chandler—A. B., 1905; Graduate Student, Harvard, 1909; Med. House Officer, Carney Hosp., Boston, 1909-11; Lecturer, Clin. Micpy. and Phys. Diag., Univ. of Ia., Iowa City, 1911-12; Grad. Student, Freiburg, 1912; Asst. in Pharmacol., Harvard Med. Sch., 1913.—Asst. in Med., Harvard, and Asst. Res. Phys., Peter Bent Brigham Hosp., Boston.

Wallace, William Glenn—S. B., Hanover, 1905; Interne, New Haven Hosp., Conn., 1909-11.—Physician, Mattoon, Ill.

Walton, Duncan Cameron — A. B., St. John's, 1905.—Passed Asst. Surg., U. S. Navy., Dept. Physical Training, Annapolis.

Watkins, Leon Harlan—A. B., Southern, 1903, and A. M., 1905; Resident House Officer, Asst. Res. and Resident Gynecologist, 1909-14.

Webb, Charles Wallace—S. B., Arkansas, 1905; Resident House Officer, 1909-10; Res. Surg., Clifton Spgs. Sanitarium, N. Y., 1910-12; Asst. Res. Physician, 1912-13.—Physician, Ithaca, N. Y.

Wiesender, Arthur James—A. B., Ripon, 1905; Resident House Officer, 1909-10.—Physician, Berlin, Wis.

Woltereck, Gustav Herman—A. B., 1905; Asst. Phys., Balt. City Jail, 1909-10; Asst. Physician, Maryland Penitentiary, 1910-12.—Asst. in Pathol., Coll. P. and S., Throat Inspector for Baltimore and Assistant in Med., J. H. Disp., and Physician, Baltimore.

Wyatt, Walter Simrall—S. B., Alabama, 1904, and M. S., 1905; Med. Interne, Lakeside Hosp., Cleveland, 1909-11; House Officer, Boston City Hosp., Boston, 1911-13.—Physician, Lexington, Ky.

Youmans, Iva Catherine—A. B., Converse, 1897; N. Y. Univ. Summer Sch., 1904; Interne, N. Y. Infirmary for Women and Children, 1909-10.—Asst. Bacteriologist, State B'd Health, Jacksonville, Fla.

***Coan, Thomas Patrick**—A. B., Mt. St. Joseph, 1903. (*Degree granted March* 7, 1910). **Feb.* 2, 1912.

Cooper, Ernest—A. B., South Carolina, 1900; Pathol. and Bact., State Hosp. for Insane, 1911-13.—Physician, Columbia, S. C. (*Degree granted January* 3, 1910.)

***Torrey, Julia Maria** — A. B., Boston Univ., 1888. (*Degree granted January* 3, 1910). **May* 1911.

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1910

Allen, Mary Dayton (Mrs. George F. Zoeckler)—A. B., Mt. Holyoke, 1905; Resident House Officer, 1910-11; Res. Physician, The Woman's Hospital, Hamadan, Persia, 1912-14.—Physician, Dautababad, Malayir, Persia.

Armstrong, Edward McPherson — A. B., Princeton, 1904; Rhodes Scholar, Oxford, 1905-08: and B. Sc., 1908; Student, Prag. and Edinburgh Universities (Summers, '06 and '07); Surg. House Officer and Surg., New York Hospital, 1910-12.—Res. Surg., Tuxedo Hosp., Tuxedo, N. Y.

Baker, Moses Haven — S. B., Purdue, 1905; Interne, St. Francis' Hospital, Pittsburgh, 1910-12.— Physician, Pittsburgh.

Barbour, Henry Gray — A. B., Trinity (Conn.), 1906; Fellow in Pathology, 1910-11; Research Student, Freiburg, Germany, 1911, Vienna, 1912, and London, 1913.—Asst. Prof. Pharm., Yale Med. Sch., New Haven, Conn.

Boehm, Emil—S. B., St. Louis University, 1906; Interne, Bellevue Hospital, N. Y., 1910-13.—Europe.

Bole, William Symington—S. B., Montana Agricult., 1906. — Physician, Great Falls, Mont.

Bookwalter, Carl Ferdinand—S. B., Purdue, 1900; Asst. and House Surg., N. Y. Eye and Ear Infirm., 1910-11; Interne, Kingston Ave. Hosp., Brooklyn, N. Y., 1912; Grad. Work, Europe, 1912-13.—Instr. in Otology, Northwestern Univ.; Asst. Attend Otol., Wesley Mem. Hosp.; Asst. Surg., Ill. Char. Eye and Ear Infirm., and Physician, Chicago, Ill.

Butler, Ethan Flagg—A. B., Princeton, 1906; Volun. Med. Asst. Labrador Med. Mission, Summers, 1908, 1909, and 1910.—1st. Lieut. Med. Reserve Corps., U. S. A., and Asst., Mayo Clinic, Rochester, Minn.

Calihan, Walter Austin—A. B., Rochester, 1906; Res. Surg., St. Agnes' Hosp., 1910-12.—Physician, Rochester, N. Y.

Carter, Ross Stagg—A. B., Leland Stanford, Jr., 1905.—Physician, San Diego, Cal.

Chambers, Thomas Rodney—A. B., 1906; Interne, St. Agnes' Hosp., 1910-11; Asst. in Pathol., Mercy Hosp., 1911-12; Assoc. in Surg., Coll. P. and S., 1913-14.—Coroner, Asst. Disp. Surg. and Physician, Balt.

Choate, Joseph Linn—A. B., Leland Stanford, Jr., 1906; A. M., Southern Calif., 1907, and Med. Student, 1906-08; Cooper Medical Coll., 1907.—Phys., Child. Hosp., Los Angeles, 1910-11.—Med. Staff, Columbia Hosp., and Physician, Los Angeles.

Cody, Claude Carr, Jr.—A. B. and A. M., Southwestern, 1904 and 1905; Student of Medicine, 1905-07; Interne, Bellevue Hospital, New York, 1907-09.

Conner, Haskett Lynch—A. B., DePauw, 1906; Interne, Church Home and Infirmary, 1910-11.—Physician, Indianapolis, Ind.

Collenberg, Henry Theodore—A. B., 1906. Physician, Baltimore.

Costello, Henry Nicholas—A. B., Yale, 1906; Interne, Hartford Hospital, Conn., 1910-12.—Asst. Visit'g Surg., Hartford Hosp.; Member, Health Comm. and Surgeon, Hartford.

Dandy, Walter Edward—A. B., Missouri, 1907, and Student of Medicine, 1906-07; A. M., J. H. U., 1911; Asst. in Surgery, Hunterian Laboratory, 1910-11.—Asst. Resident Surgeon.

Deming, Clinton Demas — A. B., Yale, 1907, and Student of Medicine, 1906-07; Asst. in Pathol., 1910-11; Interne, Hartford Hosp., 1911-13. — Physician, Hartford, Ct.

Denzer, Bernard Solomon — A. B., Columbia, 1906; Interne, The German Hosp., New York, 1910-1913.—Asst. Admit. Phys., German Hosp., and Physician, N. Y.

Devan, Thomas Alan — S. B., Rutgers, 1906.—Interne, Presbyterian Hosp., New York.

Edlavitch, Baruch Mordecai—A. B., 1906; Res. Pathol., Hebrew Hospital, Balt., 1910-11; Pathol., Univ. Hosp., Ia. State Univ., Iowa City, 1912.—Pathol. Hope Hosp., and Physician, Fort Wayne, Ind.

Engle, Ralph Landis — A. B., Lebanon Valley Coll., 1905; A. M., Yale, 1906; Interne, Bellevue Hosp., N. Y., 1911-13; Grad. Student, Univs. Vienna and Berlin, 1913.—Physician, Philadelphia.

Fenton, Horace Burnett—A. B., Oregon, 1906; Instr. Physiol. and Thera., U. of Ore. Med. Sch., 1911-13.—Physician, Portland, Ore.

Gilcreest, Edgar Lorrington — A. B., Texas, 1906; Interne, Lakeside Hosp., Cleveland, 1910-13; Vol. Surg. at Kragoujevaatz, Servia, and Vol. Asst. Surg., Staff Univ. Gratz, Austria, 1913-14.—Surgeon, Gainesville Sanitarium, Gainesville, Tex.

Ginsberg, Hyman—A. B., Georgia, 1906; Interne, Lane Hospital, San Francisco, 1910-12.—Asst. in Surg., Birmingham Med. Sch., and Surgeon, Birmingham, Ala.

Gorham, Lemuel Whittington — A. B., Yale, 1906; Resident House Officer, 1911; Asst. in Path., City Hosp., Boston, 1912-13.—Instr. in Med., Albany Med. Coll.; Asst. Attend. Phys., St. Peter's Hosp., and Physician, Albany, N. Y.

Grimes, William Lawrence—S. B., North Carolina, 1906.—Res. Surg., Union Protestant Infirmary.

Hall, Crowell Clarinton, Jr.—A. B., Bowdoin, 1906. — Physician, Foxcroft, Me.

Hegeman, Runkle Fisher—A. B., Princeton, 1906; Resident House Officer, 1910-11; Res. Phys., N. Y. Foundling Hosp., N. Y., 1911-12; Res. Phys., N. Y. Nursery and Child's Hosp., 1912-13; Res. Surg., St. Mary's Free Hosp. for Children, N. Y., 1913.—Physician, Somerville, N. J.

Jarvis, Henry Gildersleeve—A. B., Yale, 1906; Interne, Conn. Hosp. for the Insane, Middletown (to Jan. 1, 1911); Interne, Hartford Hosp., Conn. (after Jan., 1911).—Physician, Hartford.

Johann, Albert Eugene—A. B., Christian, 1906; Grad. Student, Chicago, Summer of 1906; Senior House Officer, Boston Floating Hosp. (Summer, 1911); Interne, Boston Children's Hospital, 1910-12.—Physician, Minneapolis, Minn.

Ledbetter, Samuel Laban, Jr. — S. B., Alabama, 1906.—Res. Surg., Lakeside Hosp., and Clin. Asst. Surg., Med. Dept., West. Reserve Univ., Cleveland.

Major, Ralph Herman—A. B., William Jewell, 1902; Student, Leipzig, Munich and Chicago, 1904-06; Resident House Officer, 1910-11; Asst. Res. Physician, and Asst. in Med. 1910-12. —Instr. Pathol., Stanford Med. Sch., San Francisco.

Mattice, Albert Francis — S. B., South Dakota State Coll., 1904, Ph. G., Washington State Coll., 1906; Ophthal. Clinic and Bacteriol. Research with Prof. Theo. Axenfeld, Freiburg, Germany, 1911-12; Ophthal. Clinic and Pathol. with Prof. E. Fuchs, Vienna, Austria; Neurol. Research with Prof. Marburg, Vienna, 1912-14. —Private Asst., Dr. Alex. Duane; Clin. Asst., Herman Knapp Mem. Eye Hosp., N. Y.

Miller, Sydney Robotham — S. B., New York Univ., 1905; Resident House Officer, 1910-11.—Asst. in Clin. Medicine and Director of Med. Lab'y, Phipps Psychiatric Clinic, Dispen. Physician, and Physician, Baltimore.

Monroe, Dana Elbra—A. B., Texas, 1906; Interne, Nursery and Child's Hosp., N. Y. — House Officer, Post-Grad. Hosp., N. Y.

Morris, Raymond Bartlett—A. B., Yale, 1907, and Student of Medicine, 1906-07; Interne, Union Protestant Infirmary, Baltimore, 1910-11.—Physician, Olean, N. Y.

Morrison, Angus Washburn—A. B., Yale, 1906; Interne, Royal Victoria Hosp., Montreal, 1910-11; Europe, 1911-12. —Instr. Nerv. and Mental Diseases, Univ. of Minnesota, and Physician, Minneapolis.

Morse, Douglas Howell—S. B., California, 1907, and Med. Student, 1906-07; Resident House Officer, 1910-11; Clin. Path., Wash'g Univ. Med. Sch., St. Louis, 1911-13. — Physician, Hemet, Cal.

Neel, James Craig — Ph. B., Marietta, 1906; Resident House Officer and Asst. Res. Gyne., 1910-14.—Gynecol. in Chg., Res. Gynecol. and Instr. in Gynecol.

Newcomb, William Bradford—A. B., William and Mary, 1906; House Phys., New York Hosp., 1910-12; Asst. Pathol, *ibid.*, 1912-13.—Attend. Phys., St. Christopher's Hosp., and Pathol., Norfolk Prot. Hosp., and Physician, Norfolk, Va.

Nichols, Firmadge King—A. B., 1906.—Assoc. in Gynecol. and Obstet., St. Agnes' Hospital; Assoc. in Physiol., Coll. P. and S., 1st Lieut. Med. Res. Corps, U. S. Army, Asst. Dispen. Phys., and Phys., Baltimore.

Nicholson, Samuel Timothy, Jr.—A. B., North Carolina, 1906; Res. Physician, Telfair Hosp. for Women, Savannah, Ga., June, 1910-July, 1911; Visiting Phys., St. Joseph Lead Co. Hosp., Bonne Terre, Mo., July, 1911-Dec., 1911; Assist. Clinical Pathology, Washington Univ. Hosp., St. Louis, 1912; Supt., Sydenham Hosp. for Infectious Diseases, Baltimore, 1912-13.—Pathol. Clifton Spgs. Sanitarium, N. Y.

Norton, Willey Higby—A. B., Ohio, 1906; —Res. Gynecol., Lakeside Hospital, Cleveland, 1910-12; Res. Surg., Hinton Hosp., Hinton, W. Va., 1912-13.—Phys. and Surg., Portland, Ore.

Orr, Thomas Grover — A. B., Missouri, 1907; Student of Medicine, 1906-07; Interne, Kansas City Gen'l Hosp., Mo. (July 1 to Jan. 1); House Officer, Hudson St. Hosp., New York, 1911-12; House Surg., St. Mary's Hosp. for Children, N. Y., 1912-13.—Physician, N. Bennington, Vt.

Pratt, Jean Paul—A. B., Ohio State, 1906; Resident House Officer and Asst. Res. Surg., 1910-13.—Asst. in Surg., U. of Calif., San Francisco.

Ramage, Chesney Macauley—S. B., West Virginia Univ, 1907, City Bacteriol. and Physician, Fairmont, W. Va.

Rhodes, Robert Lewis — A. B., Emory, 1906.—Assoc. in Surg., Jefferson Surg. Hosp., Roanoke, Va.

Robinson, Harry Hungate—A. B., Michigan, 1907, Med. Student, 1906-08; Interne, St. Elizabeth's Hosp., Elizabeth, N. J., 1910-12.—1st Lieut. Med. Res. Corps. and Physician, Spokane, Wash.

Rogers, Walter Black—A. B., Washington and Jefferson, 1906; Interne, St. Francis' Hospital, Pittsburgh, 1910-11.—Asst. Res. Surg., Lakeside Hosp., Cleveland.

Rohdè, Alice — S. B., Chicago, 1903.—Mary Putnam Jacobi Fellowship, Berlin, Germany, 1910-13; Instr. Physiol. Chem., Carnegie Inst. of Tech., Pittsburgh, Pa., 1913-14.—Asst. in Pharmacol.

Rosenfeld, James Wendel—A. B., Leland Stanford, Jr., 1906; Asst. Physician, Kgl. Univ., Kinderklinik, Breslau, 1910-12; Instructor in Pediatrics, Univ. of Oregon, and Pediatrician, Portland.

Sanderson, Raymond — S. B., Princeton, 1905; Asst. Res. Phys., The Sanitarium, Clifton Springs, N. Y., 1910-11; Bact. and Pathol., Ontario and Yates Counties Lab., Canandaigua, N. Y., 1911-14.—Pathol. Ulster Co. Lab., Kingston, N. Y.

Semmes, Raphael Eustace, Jr.—A. B., Missouri, 1907, and Student of Med., 1906-07; Resident House Officer, 1910-11; Interne Woman's Hosp., N. Y., 1911-12.—Asst. Chair. Surg., Univ. Tenn.; Asst. Attend. Surg., Brinkley Mem. and City Hosps., and Physician, Memphis, Tenn.

Senseny, Herbert Milford—A. B., Adelbert, 1906; Interne, Milwaukee Co'ty Hosp., Wauwatosa, Wis., 1910-12.—Oculist and Aurist, Ft. Wayne, Ind.

Sheetz, John William—Ph. B., Franklin and Marshall, 1906; Interne, St. Francis' Hosp., Pittsburg, 1910-12; Asst. Res. Physician, 1912-13.—Physician, Columbus, O.

Stephenson, Henry Augustus—A. B., Randolph-Macon, 1906; Resident House Officer and Asst. Res. Obstet., 1910-12; Res. Obstetrician and Instr. in Obstetrics, 1912-14.—Assoc. in Obstet. and Gynecol., Stanford Univ., San Francisco.

Taylor, Howard Lester—A. B., Oberlin, 1906; Res. Physician, Lakeside Hosp., Cleveland, 1910-12.—Instr. Med., West. Res. Univ., and Physician, Cleveland.

Thornton, William Lawson—S. B., Alabama Polytech., 1903; Interne, Union Protestant Infirmary, 1910-12.—Physician, Talladega, Ala.

Tredway, Thomas Palmer—A. B., Western Maryland, 1906; Interne, Adrian Hospital, Punxsutawney, Pa., 1910-11.—Med. Inspect., Erie Pub. Schs.; Pathol., Harnot Hosp.; Phys., Home Friendless, and Physician, Erie, Pa.

Valk, Arthur deTalma—A. B., St. John's, 1906, M. A., 1911; Resident House Officer, 1910-11; Res. Surg., Kernan Hosp. for Crippled Children, 1911-12.—Surg., Winston-Salem, N. C.

Vanorden, Herbert Francis—Ph. B., Yale, 1907, and Student of Medicine, 1906-07; Jr. Int., Boston Floating Hosp., 1909; Interne, Kansas City Gen'l Hosp., 1910-11.—Physician, Kansas City, Mo.

Watson, Clyde Emil—S. B., W. Virginia, 1905; Interne, The Samuel Merritt Hosp., Oakland, Cal., 1910; Asst. Prof. Anat. and Path., West Virginia Univ., and Physician, Morgantown, W. Va., 1910-12.—Physician, Council, Idaho.

Watson, Helen—(Mrs. M. C. Winternitz), A. B., Wellesley, 1905; Resident House Officer, Asst. Res. Physician and Asst. in Medicine, 1910-14.—Baltimore.

Weinberg, Milton—A. B., South Carolina, 1906; Asst. Dir., Rural Sanitation for So. Carolina, Manning, 1910-12.—Physician, Telfair Hosp. for Women, and Physician, Savannah, Ga.

Wenning, Theodore Henry — A. B., St. Xavier, 1904; Grad. Student, Cincinnati, 1904-06; Interne, Roosevelt Hospital, N. Y., 1910-12.—Europe.

Wesson, Miley Barton — S. B., Texas, 1902; Interne Hudson St. Hospital, N. Y., 1910-12. — Director, El Paso Pasteur Inst., 1st Lieut. Med. Res. Corps, and Physician and Surgeon, El Paso, Tex.

Whitcraft, James Harvey—S. B., Wooster, 1905; Interne, Kansas City Hospital, Mo. (after Jan. 1, 1911).—Physician, Wilkinsburg, Pa.

Zartman, Luke V.—A. B., Ohio State, 1906; Interne, Hospital for Women of Maryland; Act. Asst. Res., J. H. H., 1910-11; Res., Church Home and Infirmary, 1911-13.—Asst. in Surg., Ohio State Univ., and Physician, Columbus, O.

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1911

Adams, Lester—A. B., Bowdoin, 1907; Interne, St. Francis' Hospital, Pittsburgh, Pa., 1911-12; Res. Phys., City Hosp., Bay View, 1912-14.—Pathol. Eastern Maine Genl. Hosp., Bangor.

de Angulo, Cary Fink—A. B., Vassar, 1906; Student, Harvard, 1911-12.—Stanford Univ., Calif.

Bedinger, John Van Doren—S. B., Princeton, 1907; Interne, Willaard Parker and Bellevue Hosps., N. Y., 1911-13.—Asst. in Pediatrics, U. of Louisville; Visit. Phys., City Hosp., and Physician, Louisville, Ky.

Bennett, Walter Scott—A. B., Colgate, 1904; Interne, Norwegian Hosp., Brooklyn, N. Y., 1911-12; Resident, Sailors' Snug Harbor Hosp., New Brighton, S. I., N. Y., 1912-14.—Physician, Brooklyn, N. Y.

Bird, William Edwin, Jr.—A. B., 1907; Asst. Res. Surg., St. Agnes' Hosp., Baltimore, 1911-12; Resident Surg., *ibid.*, 1912-13.—Surgeon, Wilmington, Del.

Bloomfield, Arthur Leonard—A. B., 1907; Resident House Officer, 1911-12.—Asst. Res. Physician, and Asst. in Medicine.

Booth, John Rochester—A. B., Randolph-Macon, 1907; Interne, Bellevue Hosp., N. Y., 1912-13.—Interne, Manhattan Maternity Hosp., N. Y.

Brockway, George Edward, Jr.—A. B., Williams, 1907; Summer Session, Cornell, 1907; Interne, Kings Co. Hosp., Brooklyn, N. Y., 1911-13; Interne, Bellevue Hosp., 1913-14.—Res. Pediatrician, St. John's Guild, Floating Hosp., N. Y.

Brooks, Barney—S. B., Univ. of Texas, 1905; Resident House Officer, 1911-12.—Asst. in Surg., Wash'g Univ. Med. Sch., and Surgeon, St. Louis.

Carter, Earle Buell—Ph. B., Yale, 1907; Interne, Norwegian Hosp., Brooklyn, N. Y., 1911-13.—Physician, Albany, N. Y.

Cohn, Joseph David—A. B., Univ. of Texas, 1907.—Visit'g Physician, Spohn Sanitarium; 1st Lieut. Med. Corps, Texas Nat. Guard, and Physician, Corpus Christi, Tex.

Collinson, John, Jr.—A. B., St. John's, 1907; Interne, James Walker Mem. Hosp., Wilmington, N. C., 1911-12; Res. Phys., Polyclinic Hosp., Philadelphia, 1912-13; Interne, N. Y. Nursery and Child's Hosp., N. Y., 1913.—Field Dir. Rockefeller Sanitary Comm., N. C.

Colston, John Archibald Campbell—Ph. B., Yale, 1907; Resident House Officer, 1911-12; Asst. Res. Surg, 1912-14.—Asst. to Dr. Young.

Council, Melton Downie—Ph. B., Emory, 1905; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12; Res. Phys., Macon (Ga.) Hosp., 1912-13.—Physician, Macon.

Crawford, Francis Randolph — A. B., Washington and Lee, 1906; Interne, St. Francis' Hosp., Pittsburgh, 1911-12.—Asst. Surg., Clifton Springs Sanitarium, N. Y.; Europe, 1913-14.

Davis, David Melvin—S. B., Princeton, 1907; Interne, City Hosp., Bay View, 1911-12; Asst. in Pathol., 1912-14.—Pathol., Brady Urol. Inst., and Instr. in Clin. Urology.

De Sautelle, William Thomas — A. B., Wisconsin, 1908, and Student of Med., 1907-08; Interne, Harlem Hosp., New York., 1911-12; Pathol., Lincoln Mem. Hosp., Knoxville, 1912-13.—Physician, Knoxville, Tenn.

Dunn, William Milas—A. B., Davidson, 1903; Summer Session, Columbia, 1907; House Officer, Mass. Gen'l Hosp., Boston, 1911-12. — Surgeon, Atlanta, Georgia.

Dunning, Ralph Henry — A. B., Yale, 1907; Interne, Hosp. for Women and Children, Syracuse, N. Y., 1911-12; Asst. Phys., St. Lawrence State Hosp., Ogdensburg, N. Y., 1912-13.—Physician, Eastwood, N. Y.

Fried, Hiram—A. B., 1907; Interne, City Hosp., Bay View, 1911-12; Asst. Phipps Research Lab. for Tuberculosis, 1912-13; Pathol., Church Home and Infirm., 1913-14. — Physician, Baltimore.

Frontz, William Archibald—A. B., Princeton, 1907; Resident House Officer, 1911-12.—Asst. Res. Surg.

Fullerton, William Dixon—Ph. B., Yale, 1907; Res. Gynecol., Lakeside Hosp., Cleveland, 1911-13; Interne, Sloane Maternity Hosp., N. Y., 1913-14.—Res. Obstet., Maternity Hosp.; Demstr. in Obstet., West. Res. Univ.; Asst. Gynecol. O. P. D., Lakeside Hosp., and Physician, Cleveland.

Gallagher, Hiram—A. B., Catholic Univ. of America, 1907; Summer Session, Univ. of Chicago, 1907; Winter Semester, Frieburg, 1908-09; Interne, St. Francis' Hosp., New York, 1912-13.—Physician, Los Angeles, Cal.

Gilland, Thomas Henry—Ph. B., Lafayette, 1907; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Physician, Greencastle, Pa.

Grant, Ernest Owsley — A. B., Central Univ. of Ky., 1907; Interne, Lakeside Hosp., Cleveland, 1912-13.—Asst. in Surg, U. of Louisville; Surg., City Hosp., and Surgeon, Louisville, Ky.

Grey, Ernest George—A. B., Wisconsin, 1907; Asst. in Anat., and Student of Medicine, 1907-08; Resident House Officer, 1911-12. — Asst. Res. Surg., Peter Bent Brigham Hosp., Boston.

Gross, Elmer Chester—B. L., Whitman College, 1906; Resident Physician, Seattle Gen'l Hosp., Seattle, Wash., 1911-12.—Physician, Seattle, Wash.

Hammack, Roy Wallace—A. B., Univ. of Oregon, 1907.—Assist. Prof. Path. and Bact., Coll. of Medicine and Surgery, University of the Philippines, Manila.

Hartman, Clifford Clinton — S. B., and M. S., Pennsylvania College, 1907; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12.—Fellow in Path., U. of Pittsburgh, 1911-12; Fellow in Path., 1912-13; Asst. Path., Allegheny Gen. Hosp., 1913-14.—Physician, Pittsburgh.

Hawkins, William Hall—A. B., Central Univ. of Ky., 1906; Student, Hosp. Coll. of Medicine, 1906-07.—Interne, Bellevue Hosp., New York.

Hendry, Ernest Singleton—A. B., 1907; late Asst. Res. Phys., Union Protestant Infirmary, 1911-13.—Asst. Phys. and Physician, Balt.

Hetfield, William Brawner—A. B., Catholic Univ. of America, 1907; Interne, Brooklyn Hosp., New York, 1911-13. Asst. Surg., U. S. S. "Monocacy," China Sta., San Francisco.

Hubert, Anna—A. B., Univ. of Washington, 1901, and A. M., 1904; Resident House Officer, 1911-12; Asst. Res. Surg., N. E. Hosp. for Women and Children, Boston, 1912.—Res. Surg., N. Y. Infirmary for Women and Children.

Hudson, William Rutledge—A. B., Washington and Lee, 1906; Interne, Hosp. for Women of Maryland, Balt., 1911-13.—Physician, Huntington, W. Va.

Hunnicutt, John Atkinson, Jr. — A. B., Univ. of Georgia, 1907; Interne, Lakeside Hosp., Cleveland, 1911-12; Asst. in Surgery, 1912-13.—Surgeon, Athens, Ga.

Hunt, Barbara — A. B., Vassar, 1906; Univ. of Maine, Summer Sch., 1907; Interne, N. Y. Infirmary for Women and Children, 1911-12.—Med. Inspect. Schools and Physician, Bangor, Me.

Ives, George—A. B., Wisconsin, 1907; Med. Student, Univs. of Chicago and Wisconsin, 1907-09; Asst. State Bacteriologist, Montgomery, Ala., 1911-12; Path. N. Chgo. Hosp., 1912.—Asst. Prof. Path., St. Louis Univ., and Pathol., St. John's Hosp., St. Louis.

Jacobson, Conrad—S. B., Beloit, 1900; Grad. Student, Chicago, three Summer Qrs.; Assistant in Surgery, Hunterian Laboratory, 1911-12.—Asst. Res. Surg., Peter Bent Brigham Hosp., Boston.

Jenison, Nancy Blanche—A. B., Wells, 1898; Grad. Student, Chicago, 1907.—Interne, N. Y. Infirmary for Women and Children, 1911-12.—Asst. Attend. Phys., Mt. Sinai Disp. and N. Y. Infirmary, and Physician, N. Y.

Judd, Charles Chauncey Winsor—A. B., Kenyon Coll., 1907; Interne, Union Protestant Infirmary, Baltimore, 1911-12.—Assoc. in Clin. Pathol., Coll. P. and S. and Visit. Clin. Pathol., Mercy Hosp.; Asst. Phys., J. H. Disp. and Physician.

Keith, Norman Macdonnell—A. B., Toronto, 1908, and Medical Student, 1906-08; Interne, New York Hosp., N. Y., 1911-13.—Assistant in Medicine.

Ketron, Lloyd Warren — A. B., Grant Univ., 1907; Asst. in Dermatol. Disp., 1911-12; Grad. Stu. Dermatol. Clinic., Charité Hosp., Berlin, and U. of Vienna, 1912-13.—Asst. in Clin. Dermatol. and Asst. Disp. Physician, and Physician, Baltimore.

Keyser, Tedrow Sylvester—A. B., Wittenberg, 1907; Interne, Lakeside Hosp., Cleveland, 1911-12; Interne, Bloomingdale Hosp., 1913; Interne, Phipps Psychiatric Clinic, 1913-14. — Res. Phys., The Neurol. Institute, N. Y.

***Kinsey, Oliver, Jr.** — A. B., Virginia, 1907, and Medical Student, 1907-09; Interne, Church Home and Infirmary, Baltimore, 1911-12. — Surg., U. S. Army, Ft. Washington, Md. (**Died, March* 24, 1914.)

Kissling, Arthur Charles — A. B., Wisconsin, 1906, and Medical Student, 1907-09; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1911-12.—Physsician, Milwaukee, Wis. (Graduate work, Rostock, Germany.)

Kline, Benjamin Schoenbrun — A. B., Swarthmore, 1907; Interne, City Hosp., Bay View, 1911-12; Asst. in Pathol., 1913-14.—Fellow, Phys. and Pharm., Rockefeller Inst. for Med. Research, N. Y.

Knott, Howard James—S. B., Whitman Coll., 1907; Resident Physician, Seattle General Hosp., 1911-12. — Physician, Seattle, Wash.

Lange, Linda Bartels—A. B., Bryn Mawr, 1893.—Interne, New York Infirmary for Women and Children, 1911-12.—Fellow in Pathol., Rockefeller Inst.

Leaper, Warren Eugene—A. B., Wisconsin, 1908, and Student of Medicine, 1907-08; Interne, Rhode Island Hosp., Providence, 1911-13; Asst. Res. Gynec., Lakeside Hosp., Cleveland, 1913-14.—Physician, Green Bay, Wis.

Leonard, Veader Newton—Ph. B., Yale, 1907; Student, Univ. of Freiburg, 1907-08; Resident House Officer, 1911-12.—Asst. Res. and Dispen. Gynecol.

Licht, William Henry — S. B., Trinity Coll. (Hartford), 1907.—House Physician, Hartford Hosp., Hartford, Conn.

Lisser, Hans—A. B., California, 1907; Resident House Officer, 1911-12.—Asst. in Med., Washington Univ. Med. Sch., St. Louis.

Luten, Drew William—A. B., Kentucky State Univ., 1901; Fellow, Vanderbilt Univ., 1903-04; Interne, St. Francis' Hosp., Pittsburgh, Pa., 1911-12.—Physician, Internat. Harvester Co., Deering, Mo.

MacCurdy, John Thomson—A. B., Toronto, 1908, and Student of Medicine, 1906-08; Fellow in Pathology, 1911-12; Psychiatric Clinics, Munich and Breslau, "Histo-Path. Labs.," 1912.—Asst., Psychiatric Inst., Ward's Island, N. Y.

McNeil, Herbert Lee—A. B., Southwestern Univ., 1906; Grad. Student, Univ. of Texas, 1906-07; Interne, St. Agnes' Hosp., Baltimore, 1911-12; Interne, Willard Parker Hosp. (4 mos.); Phys. in chg. Floating Hosp., St. John's Guild, N. Y. (2 mos.).—Instr. in Med. and Clin. Path., Univ. Texas, Galveston.

Maas, Monroe A.—A. B., Univ. of Alabama, 1907; Asst. Res., Church Home and Infirmary, Baltimore, 1911-13.—Res. Phys. and Surg., *ibid.*

Merriam, Charles Goodwin—A. B., Yale, 1907.—Surg., E. E. White Coal Co., Stotesbury, W. Va.

Miller, James Raglan—A. B., Yale, 1907; Voluntarärzt, Königl. Frauenklinik, Munich, Germany, 1911-14. — Visit. Obstet., Hosp. Women of Md.; Instr. in Clin. Obstet.

O'Donnell, James Aloysius—A. B., Loyola, 1906; Graduate Student, 1906-07; Res. Gynecol. and Obstet., St. Joseph's Hosp., 1911-13.—Physician, Baltimore.

Perkins, Ralph Sherburne—A. B., Dartmouth, 1907; Interne, Worcester City Hosp., Worcester, Mass., 1911-12.—Physician, Exeter, N. H.

Plass, Everett Dudley—A. B., Colgate, 1907; Resident House Officer, 1911-12; Asst. in Obstet. and Asst. Res. Obstet. for 1912-14.—Asst. Res. Gynecol., Sloan Hosp. for Women, N. Y., 1913-14.—Instr. in Obstet. and Res. Obstetrician.

Potter, Caryl Ashby — A. B., Missouri, 1908, and Student of Medicine, 1907-08; House Gynecol., Roosevelt Hosp., New York, 1911-13.—Prof. Prac. Med., Ensworth Med. Coll., and Surgeon, St. Joseph, Mo.

Prouty, Ira Humphrey—S. B., Dartmouth, 1907; Interne, Thomas Wilson Sanitarium for Children (Summer, 1911).—Attend. Phys., Rockingham Hosp., and Physician, Bellows Falls, Vt.

Rosenfeld, Arthur Samuel—A. B., Leland Stanford, Jr., 1907; Interne, Mt. Sinai Hosp., N. Y., 1911-13. — Physician, Portland, Ore.

Rucker, Augusta—A. B., Univ. of Texas, 1896, and A. M., 1900; Med. Dept., Wisconsin, June-Oct., 1907, and May-Oct., 1908; Interne, Babies' Hosp., N. Y., 1911-12; House Phys., N. Y. Infirm. Women and Children.—Attend. Surg., Ortho. Hosp. and Disp.; Asst. Babies' Class., Lying-in Hosp., and Physician, N. Y.

Rynd, Charles E.—S. B., Hamilton, 1907; and M. S., 1910; Europe, 1911-12; after June, 1912, Interne, Kings Co. Hosp., Brooklyn, 1912-14.—Physician, Brooklyn, N. Y.

Sawyer, Dwight Milton—Ph. B., Wesleyan (Conn.), 1906; House Phys., Nursery and Child's Hosp., N. Y., 1911-12; N. Y. Lying-In Hosp., 1912-13; St. Vincent's Hosp., N. Y., 1913-14.

Seagrave, Mabel—A. B., Wellesley, 1905; Interne, N. Y. Infirmary for Women and Children, 1912-1913.—Physician, Seattle, Wash.

Sexton, Walter Gresham—A. B., Wisconsin, 1908, and Student of Medicine, 1907-08; Resident House Officer, 1911-12; Med. Supt., The Hebrew Hosp., 1912-14.—Surgeon, Marshfield, Wis.

Sieber, Paul Rothrock—A. B., Pennsylvania Coll., 1907.—Res. Surg., St. Francis' Hosp., Pittsburgh.

Skilling, William Knepper—A. B., 1906.—Asst. Phys., J. H. Disp., and Physician, Baltimore.

Smith, Helen Willston — (Mrs. Sanger Brown), A. B., Bryn Mawr, 1906; Resident House Officer, 1911.—Bloomingdale, White Plains, N. Y.

Snowden, Roy Ross—A. B., Washington and Jefferson, 1907, and A. M., 1912; Res. Phys., City Hosp., Bay View, 1912-13; Asst. Res. Physican, and Asst. in Medicine, 1913-14. — Med. Dept., Univ. of Pittsburgh, Pittsburgh, Pa.

Spencer, Lewis Cass—S. B., Tulane, 1907; Grad. Student, Albert Ludwig Univ., Frieburg, 1908-09; Interne and Asst. Res. Surg., U. P. I., 1911-13; Asst. Surg., Hosp. Ruptured and Crippled, N. Y., 1913.—Asst. Res. Surg. and Asst. in Orthopedics.

Sponsler, Marshall Byron—A. B., Ursinus, 1907.—Res. Phys., St. Francis' Hosp., New York.

Stevens, Alexander McCulley—A. B., St. John's, 1907.—Physician, Easton.

Stewart, George Adolph—A. B., 1907.—Res. Surgeon, St. Agnes' Hosp., Balt.

Stillman, Edgar—A. B., Leland Stanford, Jr., 1907; Interne, Bellevue Hosp., New York, 1911-13.—Asst. Res. Phys., Rockefeller Hosp., N. Y.

Vail, Thornton Edwin — Ph. B., Yale, 1907.—Asst. Res., Elmcroft Sanitarium, Thompsonville, Conn.

Walker, Clifford Black—S. B., California, 1906, and Medical Student, 1906-09; M. A., J. H. U., 1912; Asst. to Dr. Cushing, 1911-12.—Senior Aural House Surg., Mass Char. Eye and Ear Infirm., Boston.

Weese, William Joshua—S. B., and A. B., Missouri, 1905, and Medical Student, 1907-1909; Res. Phys., Santo Tomas Hosp., Panama City, 1911-13.—Physician, Ontario, Ore.

Wiener, Isidore Kalisch—A. B., Princeton, 1907; Interne, Blackwell's Island, New York, 1911-12; Vienna, 1913.—Asst. Ear, Nose and Throat, Mt. Sinai Hosp., New York.

Wiese, Edwin Robert — A. B., Western Univ. of Penna., 1907; Student, Univ. of Berne, Switzerland, 1911-14.

Winn, Claud May—S. B., Tulane, 1906, and Student of Medicine, 1906-07.—Chief of Laboratories, Santo Tomas Hosp., Panama City.

Wolfsohn, Julian Mast—S. B., California, 1905, and M. S., 1907; Resident House Officer, 1911-12.—Instr. in Neurol., Med. Dept. Leland Stanford, Jr., Univ., Visit'g Neurol., San Francisco Hosp., and Physician, San Francisco, Calif.

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de Angulo, Jaime—B. ès Lett., Univ. of Paris, 1902; Cooper. Med. Coll., 1906-07; Eugenics Record Office, 1912-13.—Grad. Student, Stanford Univ. (*Degree granted January* 8, 1912.)

Cox, George Washington—S. B., Chicago, 1907.—Interne, Hartford, Hosp., Hartford, Conn. (*Degree granted January* 8, 1912.)

McAliley, Robert George—S. B., Davidson, 1904; Med. Student, Univ. of Md., 1907-08; Interne, R. I. Hospital, Providence, 1911-13.—House Officer, The Babies' Hosp., N. Y. (*Degree granted January* 8, 1912.)

Morgan, Ernest Luther — S. B., Wake Forest, 1907; Med. Student, *ibid.*, 1905-07; Interne, Providence Hosp., Washington, D. C. (Jan.-Oct, '12).—Asst. in Anat., Georgetown Med. Sch., and Physician, Washington, D. C. (*Degree granted January* 8, 1912.)
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Andrews, Clarence Ladelle—S. B., Louisiana State, 1908; Univ. of Strassburg, Germany, 1909; Interne, Jefferson Surg. Hosp., Roanoke, Va., 1912-13; Prof. Anatomy, Univ. of Mississippi, and Physician, Oxford, 1913-14.—Physician, Atlantic City, N. J.

Bartlett, Edwin I.—A. B., Washington State, 1908; Univ. of Strassburg, 1909; Interne, St. Agnes' Hosp., 1912-13.—Physician, Baltimore.

Beard, Joseph Howard—A. B., St. John's, 1902, and A. M., 1912.—Instr., Physiol. and Med. Attache to Office of Dean of Men, Univ. of Illinois, and Phys., Urbana.

***Bigelow, Jane Elizabeth**—A. B., Butler, 1907. (*Died, March* 11, 1913.)

Bowers, Charles Albert—S. B., West Virginia, 1908.—Asst. Res. Surg., Lakeside Hosp., Cleveland.

Bridgman, Eveleth Wilson—A. B., 1908; Medical and Pathological Interne, Ancon Hosp., C. Z., Summers of 1910 and 1911; Resident House Officer, 1912-13.—Asst. Res. Phys., and Asst. in Medicine.

Brown, Cyrus Cathey—A. B., Arkansas, 1908; Anaesthetist, St. Francis' Hosp., Pittsburgh, 1912 - 14. — Asst. Supt., Lakeside Hosp., Cleveland, O.

Butsch, John Louis—S. B., Purdue, 1906, and M. S., 1914.—Assoc. Prof. Pharm., Univ. of Buffalo, and Clin. Asst. in Surg., Buffalo Genl. Hosp., Buffalo, N. Y.

Cary, Raymond John—S. B., Iowa, 1906; Chicago, Summer session, 1904 and 1905; Med. Student, Western Reserve, 1908-10; Res. Phys., St. Francis' Hosp., Pittsburgh, 1912 - 13. — Res. Phys., Tuber. League Hosp., Pittsburgh.

Chaffee, Burns Stoddard—A. B., Leland Stanford, Jr., 1908.—1st Asst. Res., U. P. Infirmary.

Chesney, Alan Mason—A. B., 1908; Resident House Officer, 1912-13; Asst. Res. Phys. and Asst. in Medicine, 1913-14. — Asst. Res., Hosp. Rockefeller Inst., N. Y.

Cohen, Jacob—A. B., 1908.—Interne, City Hospital, Bay View.

Dabney, Marye Yeamans—Ph. B., Chicago, 1908; Interne, R. I. Hosp., Providence, 1912-13. — Res. Gynecol., Lakeside Hosp., Cleveland, O.

Davis, Edwin Greene—A. M., Nebraska, 1909, and Med. Student, 1908-10.—Interne, Union Protestant Infirmary.

Dumm, William Milton—S. B., Ohio Wesleyan, 1908; Resident House Officer, 1912-13.—Assist. Res. Gynecol.

Edgerton, Milton Thomas, Jr. — A. B., Georgia, 1908; Interne, City Hosp., Bay View, 1912-13; Prof. Path. and Bact., U. of Miss., Oxford, 1913-14.—Wrightsville Beach, N. C.

Fisher, Roland Frederick—S. B., Wisconsin, 1909, and Medical Student, 1907-09; Asst. Res. Surg., Washington Univ. Hosp., St. Louis, 1913-14.—Asst. in Surg., Washington Univ. Med. Sch., St. Louis.

Fleming, Mary Randolph — A. M., Randolph-Macon Woman's Coll., 1902; Interne, Hardman Sanatorium, Commerce, Ga., 1912-13; Pathol., Bismarck Hosp., N. D., 1913-14.—Phys. in Chg. Whipple Hosp. for Women, Tabriz, Persia.

Foote, Ovid Clemmons — A. B., Wake Forest, 1908; Interne, Jefferson Surg. Hosp., Roanoke, Va., 1912-13.—Asst. Surg., U. S. S. "Illinois," Phila.

Frantz, Winter Reginald — S. B., West Virginia, 1908.—House Gyne., Bellevue Hosp., N. Y.

Fricke, Willa May—A. B., Barnard, 1906; 2½ years Med. Coll. and Hosp. for Women and Children, 1906-09; Externe in Obstetrics, 1912-13.—Dispen. Obstet., Asst. Res. Obstetrician and Asst. in Obstetrics.

Gammon, Julian Eugene—S. B., Florida, 1908.—Interne, St. Agnes' Hosp. (to December, 1912); Res. Phys., Lakeside Hosp., Cleveland, 1913-14.—Physician, Jacksonville, Fla.

Gibbes, James Heyward—A. B. and S. B., South Carolina, 1908; Asst. Res. Physician, 1912-13.—Physician, Columbia, S. C.

Gills, William Lee — A. B., Randolph-Macon, 1905. — Interne, Hartford Hosp., Conn.

Glass, Frederick Akin — A. B., Central (Ky.), 1908. — Res. Gyne., Lakeside Hosp., Cleveland.

Goodpasture, Ernest William—A. B., Vanderbilt, 1907; Rockefeller Fellow in Pathol., J. H. U., and Pathol. to U. P. I., 1913-14.—Acting Res. Pathol. and Instr. in Pathol.

Hall, Roscoe Willis—Ph. B., Dickinson, 1908; Interne, City Hosp., Bay View, 1912-13.—Asst. Res. and Asst. Disp. Psychiatrist.

Holmes, James B.—A. B. and A. M., Virginia, 1910, and Med. Student, 1908-09; Med. Student, Göttingen, Summer, 1911; Asst. Phys., Eudowood Sanatorium, 1912-13.—Asst. Dispen. Phys., Asst. in Pediatrics.

Hurwitz, Samuel Haymann—A. B., Harvard, 1907, and A. M., 1908; Univ. of Strassburg, 1909; Special Student, Inst. Infect. Diseases, Berlin, Summer, 1911; Resident House Officer, 1912-13.—House Officer, Peter Bent Brigham Hosp., Boston.

Jeidell, Helmina—A. B., Barnard, 1908; Special Student, Pasteur Inst., Paris, Summer, 1909; Resident House Officer, 1912-13; Asst. Res. Obstetrician, Sept. 1 to Jan. 1, 1914.—Sun Dance, Wyo.

Kocher, Rudolph Alfred—A. B., Leland Stanford, Jr., 1908; Student of Med., Leipzig, 1909-10; Vol. Asst. 2d Med. Clin., Univ. of Munich, 1912-13; Student in Chem., *ibid.*, 1913.—München, Bayern.

Loos, Henry Hoffman—A. B., 1908.—Res. Surg., St. Agnes' Hosp.

Lough, Walter Gay—S. B., West Virginia, 1908.—Interne, N. Y. Post-Graduate Hosp. and Med. Sch., N. Y.

Lowsley, Oswald Swinney—A. B., Leland Stanford, Jr., 1908. — Res. Surg., Bellevue Hosp., N. Y.

McAllister, Harvey Ross—A. B., Penna. Coll., 1908.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

McClure, William Bradbury — S. B., Penna. Coll., 1908; Resident House Officer, 1912-13.—Res. Phys. Child'n. Mem. Hosp.; Fellow, Sprague Mem. Inst. and Asst. in Med., Rush Med. Coll., Chicago.

McCulloch, Hugh—A. B., Arkansas, 1908. Res. Phys., Barnes Hosp., and Asst. in Med., Washington Univ., St. Louis.

Millea, William Lawrence—A. B., Clark, 1908; Resident House Officer, 1912-13.—Asst. Res. Obstetrician, and Asst. in Obstetrics.

Miller, Edgar Allen—S. B., Penna. Coll., 1908.—Interne, St. Francis' Hosp., Pittsburgh.

Miller, Knox Emerson—A. B., William Jewell, 1908.—Dist. Inspector, Va. State Board of Health, Richmond.

Mills, Nathaniel—A. B., Williams, 1908; Interne, St. Francis' Hosp., New York, 1912-14.—Interne, Foundling Hosp., N. Y.

Morriss, William Haviland—A. B., Haverford, 1908; Resident House Officer, 1912-13.—Res. Surg., Hosp. for Women of Maryland.

Neill, William, Jr.—A. B., St. John's, 1908.—Res. Phys. and Surg., Church Home and Infirmary.

Nichols, Ralph Wilbur — Ph. B., Yale, 1908; Interne, Boston Floating Hosp., Summer, 1912; after October 1st, Sr. Interne, New Haven Hosp., New Haven, Conn., 1912-13. — Physician, Montowese, Conn.

Pearce, Louise—A. B., Leland Stanford, Jr., 1907; Boston Univ. Sch. of Medicine, 1907-09; Resident House Officer, 1912-13; House. Phys., Phipps Psychiatric Clinic; Resch. Fellow, Pathol., Rockefeller Inst. for Med. Research, N. Y., 1913-14. — Assistant, *ibid.*

Pelton, Charles Hamlin—A. B., Trinity (Conn.), 1905; Interne, Essex. Co. Isolation Hosp., Belleville, N. J., 1912-13.—Interne, Lucas Co. Hosp., Toledo, O.

Pincoffs, Maurice Charles, Jr. — S. B., Chicago, 1909; Rush Med. Coll., 1906-09; Grad. Sch., 1909-10; Interne, Presbyterian Hosp., Chicago, 1912-13. —Asst. Res., City Hosp., Bay View, Balt.

Post, Martin Hayward, Jr.—A. B., Amherst, 1908; Interne, City Hospital, St. Louis, 1912-13. — Physician, St. Louis, Mo.

Rand, Carl Wheeler — A. B., Williams, 1908, and A. M., 1909; Resident House Officer, 1912-13.—Asst. Surg., Peter Bent Brigham Hosp., Boston.

Reid, Charles Dwight, Jr.—A. B., Williams, 1908.—Interne in Surg., German Hosp., New York.

Reid, Mont Rogers — A. B., Roanoke, 1908; Resident House Officer, 1912-13. —Asst. Res. Surg. and Instr. in Surgery.

Reynolds, Harold Irwin—A. B., Georgia, 1908.—Interne, Woman's Hosp. of Maryland.

Rohdè, Max Spencer — S. B., Chicago, 1908; Interne, Kansas City General Hosp., Mo., 1912-13.—Asst. Surgeon, Bellevue Hosp., N. Y.

Sarason, Peter Benjamin — A. B., Yale, 1909, and Med. Student, 1907-09; Resident House Officer, 1912-13.—Interne, Jewish Hosp., Brooklyn, N. Y.

Schmeisser, Henry Christian — A. B., 1908; Fellow in Pathology, 1912-14, and Ph. D., 1914.—Asst in Pathol.

Schultz, Raymond Louis—S. B., Wisconsin, 1908, and Med. Student, 1908-10; Interne, Milwaukee Co. Hosp., Wis., 1912-13.—Res. Phys., Lucas Co. Hosp., Toledo, O.

Sears, Nathan P.—Ph. B., Syracuse, 1908; Interne, Church Home and Infirm., Baltimore, 1912-13.—

Sellman, Reginald Oliver—A. B., 1908. —Res. Phys., Biedler-Sellman Sanitarium, Balt.

Shale, Rolla J.—A. B., Oberlin, 1908; Res. Phys., Wilkes-Barre Hosp., Pa., 1912-13. — Res. Phys., Eddy Road Hosp., Cleveland.

Simpson, Ellery DeWitt—A. B., Western Maryland, 1908; Interne, St. Luke's Hosp., St. Paul, Minn., 1912-13.—Surgical Pathol., Mayo Clinic, Rochester, Minn.

Sisson, Warren Richards—A. B., Colgate, 1906; Student of Med., Freiburg, Summer session, 1910; Univ. of München, Winter semester, 1910-11, and Univ. Heidelberg, Summer session, 1911.—Med. House Officer, Peter Bent Brigham Hosp., Boston.

Slack, Harry Richmond, Jr. — A. B., Georgia, 1908.—Asst. Resident Surgeon, Asst. Dispen. Laryn. and Asst. in Laryn.

Starr, Trammell—A. B., Emory, 1908; Interne. City Hospital. Bay View, 1912-13.—Asst. Res. Phys., Church Home and Infirmary, Baltimore.

Stearns, Thornton—A. B., Davidson, 1906; Surg. and Ortho. House Officer, Mass. Gen'l Hosp., Boston, 1912-14.—Asst. Res. Pathol. and Asst. in Pathol.

Stevenson, Holland Newton, 2nd—Ph. B., Yale, 1908.—Instr. in Pathology.

Strauss, Abraham—A. B., Harvard, 1909. House Surg., Mt. Sinai Hosp., New York.

Streett, David Corbin — A. B., 1908; Resident House Officer, 1912-13; Asst. Physician in Chg. Dispensary Lab., 1913-14.—Asst. Res. Phys. and Asst. in Medicine.

Sundwall, John—S. B., Chicago, 1903; Ph. D., 1906, and Med. Student, 1906-08; U. S. Public Health and Marine Hospital Service, Washington, D. C., 1912.—Prof. Anat., Univ. of Kansas, Lawrence.

Wahl, Harry Roswell—A. B., Wisconsin, 1908, and A. M., 1910, and Med. Student, 1908-10.—Res. Pathologist, Lakeside Hospital, and Instr. in Pathol., West. Reserve Univ., Cleveland.

Walters, Arthur L.—S. B., Purdue, 1904; Interne, City Hospital, Providence, R. I. (Summer, 1912); Interne, Harriet Lane Home, J. H. H., 1912-13.—Asst. Dir., Scientific Lab's, Eli Lilly and Co., Indianapolis, Ind,

Watt, Charles Hansell—S. B., Davidson, 1906; Resident House Officer, 1912-13.—Asst. Res. Surg.

Weakley, Adriel Clark—A. B., Georgetown (Ky.), 1908; Interne, Brooklyn Hosp., N. Y., 1912-14. — Physician, Shelbyville, Ky.

Weed, Lewis Hill—A. B., Yale, 1908, and A. M., 1909; Arthur Tracy Cabot Fellow in chg. Lab. Surg. Research, Harvard, 1912-14.—Instr. in Anatomy.

Wegefarth, Paul—A. B., 1908; Student of Medicine, Strassburg and Berlin, 1909-11; late Interne Brigham Hosp. Boston. — Asst. Res. Phys. Church Home, Balt.

Wells, Donald Breckenridge—A. B., Yale, 1907.—City Hospital, Providence, R. I. (Summer of 1912); Interne, St. Luke's Hospital, N. Y.

Williams, Alexander Watson—A. B., Harvard, 1908; Interne, Union Protestant Infirmary, 1912-13.—1st Lieut., Med. Res. Corps, U. S. A., Washington Barracks, D. C.

Williams, Francis Thomas—A. B., 1908; Interne, The Providence Hospital, Washington, D. C., 1912-14. — Hygienic Lab., Washington, D. C.

Wolf, Eleanor Bittinger—A. B., Goucher, 1908; Resident House Officer, 1912-13.—House Phys., N Y.. Infirm. for Women and Children, N. Y.

Wolff, George Baney — A. B., Ursinus, 1908.—Interne, Sheppard and Enoch Pratt Hospital, Towson.

Wood, James Augustus—A. B., Southern, 1907; Univ. of Ala., Summer, 1906; Interne, City Hosp., Providence, R. I., Summer, 1912; Res. Phys., N. Y. Foundling Hosp., 1912-13. — Res. Phys., Seaside Hosp., St. John's Guild, New Dorp., S. I., N. Y.

Woodward, Harold Burton—S. B., Wesleyan (Conn.), 1908; Interne, City Hosp., Waterbury, Conn, 1912-13.—Physician, Terryville, Conn.

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1913

Allen, Arthur Wilburn—A. B., Georgetown (Ky.), 1909.—Surg. House Officer, Mass. Gen'l Hosp., Boston.

Anderson, David Ballantyne—S. B., Chicago, 1910; Med. Student, Rush, 1908-10.—Res. Phys., Garrett Hosp. for Children, Summer, 1913.—Interne, Mt. Sinai Hosp., N. Y.

Bornscheuer, Albert Adam—S. B., Washington and Jefferson, 1909. — Asst. Gynecol., Allegheny Gen'l Hosp., Pittsburgh.

Bronson, Edith—A. B., Syracuse Univ., 1909, and Med. Dept., 1909-10.—Senior House Phys., Children's Hosp., San Francisco.

Cameron, Don Franklin—A. B., Indiana, 1907; A. M., Chicago, 1909, and Med. Dept., 1909-11.—Interne, St. Luke's Hosp., Chicago.

Canter, Noland Mackenzie—A. B., Randolph-Macon, 1909; Interne, Jefferson Surgical Hosp., Roanoke, Va., 1913-14.—Res. Phys., Children's Hosp. Sch., Balto.

Carlisle, Wilbur Glenn—A. B., Ohio Wesleyan, 1909; Summer Qr., Chicago, 1909; Resident House Officer, 1913-14.—Physician, Bucyrus, O.

Cave, Henry Wisdom — A. B., Central (Ky.), 1909; Resident House Officer, 1913-14.—Asst. in Surg., Asst. Res. Surg.

Cecil, Howard Lee—A. B., St. John's (Annapolis), 1908; Resident House Officer, 1913-14.

Chunn, George Davies—S. B., Arkansas, 1908; Interne, Jefferson Surgical Hosp., Roanoke, Va.—1st. Lieut. Med. Res. Corps, Army Med. Sch., Washington, D. C.

Clarke, Helen Dorothy — A. B., Vassar, 1909; Resident House Officer, 1913-14.

Cook, Robert Jay—A. B., Iowa State, 1909.—Interne, German Hosp., N. Y.

Corner, George Washington—A. B., 1909; Assistant in Anatomy, 1913-14.—Res. House Officer.

Darrow, Kent Edward—S. B., N. Dak. Agricul., 1909.—Interne, City Hosp., Seattle, Wash.

Davis, Daniel—A. B., Harvard, 1909.—Interne, Ancon Hosp., Panama, Summer, 1913; Asst. in Physiology, 1913-14.—Interne in Obstetrics.

Davis, Thomas Kirby—A. B., Wabash, 1909; Med. Student, Cornell, 1909-10.—Interne, Manhattan State Hosp., N. Y.; after Jan. 1, 1914, Interne, New York Hosp., N. Y.

Dignan, Howard Henry—S. B., California, 1910, and Med. Student, 1909-10.—House Phys., German Hosp., Phila.

Dwyer, William—S. B., Trinity (Conn.), 1909.—Interne, Hartford Hosp., Hartford, Conn.

Elkin, Cortlandt Whitehead Wilson—A. B., Allegheny, 1909.—Asst. Path. and Bact., Allegheny Gen'l Hosp., Pittsburgh.

Fishbaugh, Ernest Clyde—A. B., Indiana, 1910, Fellow, 1910-11, and A. M., 1911; Med. Student, 1909-11; Resident House Officer, 1913-14.—Physician, Los Angeles, Cal.

Flack, Roswell Elmore — A. B., Wake Forest, 1901.—Deputy Co. Health Officer, Spray, N. C.

Gates, Frederick Lamont—A. B., Yale, 1909.—Assistant, Rockefeller Institute for Med. Research, N. Y.

Gerdine, Linton—S. B., Georgia, 1909; Interne, City Hosp., Bay View, 1913-14.—Interne, Children's Mem. Hosp., Chicago.

Graham, Clarence Flack — A. B., Yale, 1909.—House Officer, R. I. Hosp., Providence.

Hagan, Herbert Hart—A. B., Georgetown (Ky.), 1908.—Asst. Res. Surg., Washington Univ. Hosp., St. Louis.

Heymann, Isaac Picard—S. B., Louisiana State, 1909; Ship Surg., Leyland Line, New Orleans and London, Summer 1913.—Interne, Brooklyn Hosp.

Hinton, Charles Crawford—Ph. B., Emory, 1909; Interne, City Hosp., Bay View, 1913-14. — Res. Phys. Telfair Hosp. for Women, Savannah, Ga.

Holmes, Walter Richard, Jr. — A. B., Georgia, 1909; Resident House Officer, 1913-14.—Asst. Res. and Dispen. Gynecol.

Horrax, Gilbert—A. B., Williams, 1909.—Resch. Lab., Peter Bent Brigham Hosp., Boston.

Howard, Lee—A. B., Mercer, 1909; Asst. to Laryngologist, 1913-14.—Physician, Waycross, Ga.

Huddleson, James Howard, Jr.—A. B., Princeton, 1909.—Interne, Manhattan State Hosp., 1913-14.

Hume, Edgar Erskine—A. B., Central (Ky.), 1908, Fellow, 1908-09, and A. M., 1909; Voluntary Asst. in Neurology, 1913-14; Summer Semester, Munich, 1914.—Univ. of Paris.

Hutchins, Amos Francis — A. B., St. John's (Annapolis), 1908; Interne, Union Protestant Infirmary, 1913-14. Asst. Res. Gyne., Lakeside Hosp., Cleveland, O.

Jelks, Edward — A. B., Mercer, 1909; Res. House Officer, 1913-14.—Asst. in Pathol.

Kieffer, Richard Fulton—A. B., Franklin and Marshall, 1907.—Asst. Res. Phys., Union Protestant Infirmary, Balt.

Kolmer, George August Leonard—A. B., Roanoke, 1907, and A. M., 1909.—Dist. Inspector, Va. State B'd Health, Richmond.

Kraus, Walter Max — A. B., Harvard, 1910.; A. M., Columbia, 1914.—Interne, Bellevue Hosp., N. Y.

Laubach, Charles Adam—S. B., Muhlenberg, 1909.—Asst. in Hygiene.

Levy, Robert Louis—A. B., Yale, 1909; Resident House Officer, 1913-14.—Asst. Res. Physician and Asst. in Medicine.

Lyman, John Cushman—S. B., Whitman, 1909; Interne, Union Protestant Infirmary, Balt., 1913-14. — Asst. Res. Hebrew Hosp.

McKee, William Clifford—S. B., Pomona, 1908; House Officer, Calif. Hosp., Los Angeles, 1913-14.—Physician, Los Angeles, Cal.

Michael, William Howard—A. B., 1909.—Physician, Santo Tomas Hosp., Panama, R. de P.

Minsk, Louis D.—A. B., Yale, 1910, and Med. Dept., 1909-10.; Resident House Officer, 1913-14.—Asst. to Dr. Knox.

Moore, Chalmers Hale—A. B., Washington and Lee 1909.—Physician, Birmingham, Ala.

Morton, John Jamieson, Jr.—A. B., Amherst, 1907; House Officer, Peter Bent Brigham Hosp., Boston, 1913-14.—Fellow, Pathol. Rockefeller Inst., N. Y.

Munn, Aristine Pixley — A. B., Bryn Mawr, 1909.—Clin Asst., N. Y. Univ. and Bellevue Med. Coll., N. Y.

Nesbit, William Edward—A. B., Arkansas, 1909; Interne, Jefferson Surgical Hospital, Roanoke, Va., 1913-14.—Interne, City Hosp., Bay View.

Newkirk, Merle Cornelius—Ph. B., Syracuse, 1909.—Interne, Hosp. for Women and Children, Syracuse, N. Y.

Newman, Harold Hastings—A. B., Randolph-Macon, 1909; Interne, Garfield Mem. Hosp., Washington, D. C., 1913-14.—Asst. Whitehead-Stokes Sanatorrium and Physician, Salisbury, N. C.

Ogburn, Herbert Hammond—S. B., West Lafayette, 1908; Med. Student, N. C., 1908-09.—Surgeon, Greensboro, N. C.

Olmsted, William Harwood—S. B., Coe, 1909.—Asst. Res. Phys., Washington Univ. Hosp. and Barnes Hosp., St. Louis, Mo.

Paschal, Frank Lafayette—A. B., Texas, 1909; Summer Qr., Chicago, 1908.—Interne, Post-Graduate Hosp., N. Y.

Post, Lawrence Tyler—A. B.. Yale, 1909. Resident House Officer, 1913-14.—Res. So. Balt. Eye, Ear and Throat Hosp.

Powers, Grover Francis—S. B., Purdue, 1908; Resident House Officer, 1913-14.—Asst. Res. Pediatrician and Asst. Disp. Physician.

Reddish, William Dandridge—A. B., Ky. State, 1909.—Interne, R. I. Hosp., Providence.

Richardson, Maurice Leonard—S. B., Wisconsin, 1910, and M. S., 1911; Med. Student, 1909-11. Interne, City Hosp., Bay View., 1913-14. — Res. Path., Lakeside Hosp., and Resch. Fellow in Path., West. Reserve Univ., Cleveland.

Scott, Augusta Ruby—Ph. B., Chicago, 1905; Univs. of Zürich and Freiburg, 1907-1910. — Interne, Infirmary for Women and Children, New York.

Shaw, Austin — S. B., Colby, 1909.—House Officer, City Hosp., Seattle, Wash.

Shaw, Henry Newton—A. B., Princeton, 1907; Resident House Officer, 1913-14.—Interne, U. P. I.

Smith, Frederick Janney—A. B., 1909; Resident House Officer, 1913-14.—Asst. Res. Physician.

Spencer, Roscoe Roy—A. B., Richmond, 1909; Interne, City Hosp., Bay View, 1913-14.—Hygienic Lab., Washington, D. C.

Stetler, Pearl Mae — A. B., Wisconsin, 1911, and Med. Student, 1909-11; Interne, Hosp. for Women and Children, Detroit, Mich, 1913-14.—Asst. to Dr. Van Hoosen, Mary Thompson Hosp., Chicago.

Stowers, James Evans—A. B., Missouri, 1910, and A. M., 1911; Med. Student, 1909-11; Interne, St. Agnes' Hosp., Baltimore, 1913-14. — Interne, Royal Victoria Hosp., Montreal, Cana.

Thompson, Charles Baker—A. B., Haverford, 1909.—House Officer, Peter Bent Brigham Hosp., Boston.

Todd, Martillus Hollis — A. B., 1909; Resident House Officer, 1913-14.

Trask, Leo Stewart—S. B., Colby, 1909.—House Officer, City Hosp., Seattle, Wash.

Trudeau, Francis Berger—A. B., Yale, 1909; Interne, Bellevue Hosps., N. Y., 1913-14. — Physician, Saranac Lake, N. Y.

Turner, Joseph Richard, Jr.—S. B., Whitworth, 1909; Resident House Officer, 1913-14. — Fellow, Path. Rockefeller Inst., N. Y.

Wagenhals, Franklin Clark—A. B., Ohio State, 1907, and Grad. Student, 1907-08.—Interne, Bellevue Hosp., N. Y.

Watson, Ernest Milton—Ph. B., Brown, 1907, and A. M., 190[illegible].—House Officer, Mass. Gen'l Hosp., Boston.

Watters, Ethel Madelaine—A. B., Stanford, 1909, and Med. Dept., 1908-10.—House Phys., Children's Hosp., San Francisco.

Weems, Benjamin Francis, Jr. — A. B., 1909; Med. Student, Univs. of Berlin and Freiburg, 1910-11.—House Officer, Bellevue Hosp., N. Y.

Williams, Norman Harris—Ph. B., Brown, 1909.—Interne, Bellevue Hosp., N. Y.

Wittich, Frederick William—A. B., Pa. Coll., 1908.—In Chg. Lab. Northern Hosp. Chicago.

Young, William Walter—A. B., Randolph-Macon, 1909; House Officer, Peter Bent Brigham Hosp., Boston, 1913-14.—Res. House Officer.

Zimmerman, Jacob Landis—A. B., Franklin and Marshall, 1909.—Interne, St. Vincent's Hosp., N. Y.

Watkins, Samuel Shelton—A. B. Central (Ky.) 1908; Interne, Church Home and Infirm., February-May, 1914.—Asst. Supt. Peter Bent Brigham Hosp., Boston. (*Degree granted February* 22, 1914.) (77)

1914

Batten, Grover A.—A. B., Washington and Lee, 1908.—Resident House Officer.

Bayne-Jones, Stanhope — A. B., Yale, 1910; Med. Student, Tulane, 1910-11; Summer Qr., Chicago, 1911.—Resident House Officer.

Belt, Mabel — A. B., Goucher, 1910.—Interne, Hosp. Women of Maryland.

Bettman, Ralph Boerne — A. B., Williams, 1910.—Interne, Michael Reese Hosp., Chicago.

Boehm, Julius Benjamin — S. B., St. Louis, 1910. — Interne, Peter Bent Brigham Hosp., Boston.

Bogle, Kate Breckenridge—A. B., Goucher, 1909. — Interne, Garfield Mem. Hosp., Washington, D. C.

duBray, Ernest Speers—A. B., Cincinnati, 1910.—Interne, City Hosp., Boston.

Brush, Nathaniel Hawley—A. B., 1909. —Interne, Phipps Psychiatric Clinic.

Carroll, Francis Patrick — S. B., Trinity (Ct.) 1911.—Interne, St. Agnes' Hospital.

Carter, David Wendel, Jr.—A. B., Southwestern, 1909, and A. M., 1910.—Interne, Clifton Springs Sanitarium, N. Y. (Summer 1914); Interne, Peter Bent Brigham Hospital, Boston.

Child, Dorothy—A. B., Bryn Mawr, 1910. —Interne, Babies' Hosp., Oceanic, N. J. (June to Sept); Interne, Woman's Hosp., Philadelphia.

Clark, Mildred—A. B., Wellesley, 1910. —Resident House Officer.

Colwell, Howard Spencer—S. B., Colgate, 1910.—House Officer, Mass. Gen'l Hospital, Boston.

Connor, Charles Edward — A. B. and A. M., Indiana, 1910 and 1912, and Med. Dept., 1908-10.—Interne, R. I. Hosp., Providence.

Crawford, Robert Hope—S. B., Davidson, 1910.—Interne, Union Protestant Infirmary.

Davis, Isaac — A. B., Harvard, 1910.—Interne, St. Francis' Hosp., Pittsburgh.

Dodson, Ralph Moore — A. B., Oregon, 1910.—Interne, Bellevue Hosp., N. Y.

Donaldson, John Calvert—Ph. B., Yale, 1910. — Interne, Phipps Psychiatric Clinic.

Dornblaser, Harry Bright—A. B., Wittenberg, 1907, and A. M., 1910.—Interne, Hosp. Women of Maryland.

Downs, Chester Arthur—A. B., Oregon, 1910; Med. Student, Harvard, 1910-11. —Interne, Hartford Hosp., Conn.

Ducasse, Edmond Frederic—A. B., Washington, 1910. — Interne, City Hosp., Boston.

Duffy, William Core—A. B., Wake Forest, 1910.—Interne, City Hosp., Bay View.

Duncan, John Baxter—A. B., Mercer, 1910.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Dunn, George R.—Ph. B., Hamline, 1910. —Resident House Officer.

Eaton, Avis Chippewa—A. B., Wellesley, 1909.—Interne, Hosp. for Children and Tr. Sch. for Nurses and Alex. Maternity Cottage, San Francisco.

Emrick, Marion W.—Ph. B., Franklin and Marshall, 1910.—Res. Phys., Lancaster Gen'l Hosp., Lancaster, Pa.

Englar, Thomas Shepherd—A. B., Western Maryland, 1910; Med. Student, Wisconsin, 1910-11.—Res. Phys., Kansas City Gen'l Hosp., Kansas City, Mo.

Evans, Frank Alexander—A. B., Washington and Jefferson, 1910.—Resident House Officer.

Fansler, Walter A.—A. B. and A. M., Missouri, 1911 and 1912, and Med. Dept., 1909-10 and 1911 and 1912.—Instr. Path. and Bact., Marquette Univ., Milwaukee.

Fechtig, Allen Garthwright—A. B., South, 1910; Summer School, Virginia, 1911-12, and Med. Dept., 1910-12.—Interne, J. Hood Wright Hosp., New York.

Fergusson, James Grant—A. B., Stanford, 1908; Med. Student, St. Andrew (Scotland), 1910-11, and Munich, 1912-13. — Interne, Roosevelt Hosp., New York.

Fleming, LeRoy Newton—A. B., Miami, 1910.—Assistant in Surgery.

Flexner, Morris—A. B., Michigan, 1910. —Resident House Officer.

Frazee, Mary Louise — A. B., Goucher, 1908. — Interne, Bloomingdale Hosp., White Plains, N. Y.

Gardner, Harold Bearce—S. B., Grinnell, 1910. — Interne, St. Francis Hosp., Pittsburgh.

Grave, Floyd—S. B., Carlton, 1908.—Interne, City and County Hosp., St. Paul, Minn.

Hagan, Hugh Johnson—A. B., Washington and Lee, 1910.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Hain, Raymond Fisher—S. B., Bucknell, 1910.—Interne, Church Home and Infirm., Baltimore.

Hall, Raymond Confer—S. B., Wesleyan (Ct.), 1909.—Interne, Bellevue Hosp., New York.

Hampton, Henry Hunton — S. B., Tennessee, 1903.—Interne, Church Home and Infirm., Baltimore.

Harrell, Bryant Eugene—A. B., Randolph-Macon, 1907.—Interne, Jefferson Surg. Hosp., Roanoke, Va.

Haupt, Walter Clark — Ph. D., 1908; Grad. Student, Michigan, 1910; Asst. Phys. Butler Hosp., Providence, R. I.

Hodge, Mary Ashmun—A. B., Stanford, 1908, and Grad. Student, 1909-10.—Dispensary Physician.

Hooper, Charles Warren—A. B., Kansas, 1911, and Med. Student, 1909-11.—Assistant, Inst. Med. Research, Univ. Calif., San Francisco.

Huffman, Lyman Foster — S. B., Ohio Wesleyan, 1910. — Interne, Lakeside Hosp., Cleveland.

Hutchison, James Elder — A. B., Ohio State, 1909, and Grad. Student, Iowa State, 1909-10. — Interne, Hartford Hospital, Conn.

Ingraham, Ruth — A. B., Vassar, 1907, and Grad. Student, Barnard, 1909-10. —Interne, Woman's Hosp., Philadelphia.

Jack, William David—A. B., Creighton, 1908; Grad. Student, Chicago, 1909-10. Interne, Peter Bent Brigham Hosp., Boston.

Jones, Walter Falke—A. B., Hamilton, 1908, and A. M., 1909.—Interne, French Hosp., New York.

Keister, William Shirey—A. B., Roanoke, 1907, and A. M., 1909.—U. S. Marine Hosp., Wilmington, N. C.

Kelly, Claude Currie—S. B., Davidson, 1909.—Interne, M. E. Hosp., Brooklyn, N. Y.

Ketcham, Clarence Searle—B. L., Rutgers, 1910. — Interne, U. P. Infirm, Baltimore.

King, John Theodore, Jr.—A. B., Princeton, 1910.—Resident House Officer.

***Krake, Leigh Seward**—A. B., Nebraska, 1907. (Died July 9, 1914.)

McGill, Caroline—A. B., Missouri, 1904, A. M., 1905, and Ph. D., 1908; Chicago, Summer, 1907; Berlin, 1909; Tübingen, 1910.—Pathologist, Murray Hosp., Butte, Mont.

Martin, Floyd August—A. B., Missouri, 1911, and A. M., 1912, and Med. Dept., 1906-09.—Instr. Pathol. and Bacteriol., Univ. of Missouri, Columbia.

Marvel, Norman Clyde—A. B., 1910.—Interne, Hosp. Women of Maryland, Baltimore.

Meyer, Jerome—S. B., Alabama, 1908; Med. Dept. J. H. U., 1908-10.—Med. House Officer, Washington Univ., St. Louis.

Mosiman, Roscoe E.—S. B., Huron, 1910. Interne, Lakeside Hosp., Cleveland.

Moyle, Robert Davies—A. B., McMaster, 1908.—Europe.

Ormond, John Kelso—A. B., Princeton, 1906.—Resident House Officer.

Plumer, John Shaffer—S. B., Pittsburgh, 1909.—Interne, Allegheny Gen'l Hosp., Pittsburgh.

Redelings, Leslie Hall — S. B., Northwestern, 1909, and M. S., 1910.—Resident House Officer.

Reichard, John Davis — A. B., Trinity (Ct.), 1910.—Interne, Church Home and Infirm., Baltimore.

Reinhard, Ferdinand Oscar Wolfgang—A. B., 1908. — Interne, St. Mary's Hosp., Milwaukee.

Robinson, Aaron—A. B., 1910.—Interne, Hebrew Hosp., Baltimore.

Rockwood, Ethel May—S. B., Simmons, 1909.—Interne, Memorial Hosp., Worcester, Mass.

Rothholz, Alma Sophia — A. B., Smith, 1910.—Resident House Officer.

Saltzstein, Harry—Ph. B., Yale, 1910.—Interne, Mt. Sinai Hosp., New York.

Schmitt, John Joseph Zymanski—A. B., St. John's (Brooklyn), 1910. — Asst. Surg. U. S. P. H. S., Wilmington, N.C.

Sewell, John Holt—E. E., Texas, 1908.—Interne, City Hospital, Bay View.

Shaffer, Floyd Elmer—A. B., Lebanon Valley, 1910.—Resident Phys., German Hosp., Philadelphia.

Sherrick, Joseph Leslie — A. B., Monmouth, 1908; A. M., Yale, 1910.—Interne, Mass. Gen'l Hosp., Boston.

Sherry, Leroy Briggs — A. B., Illinois, 1910.—Interne, Lakeside Hosp., Cleveland.

Silvester, Richard Lee—S. B., Maryland Agricult., 1909, and Grad. Student, 1909-10.—Interne, Hosp. Women of Maryland, Baltimore.

Stubbs, Landon Elwood — A. B., Randolph-Macon, 1910.—Interne, Garfield Mem. Hosp., Washington, D. C.

Taylor, Herbert Douglas — A. B., St. John's, 1910.—Prof. Bacteriol. and Pathol., Wake Forest Coll., N. C.

Utzinger, Otto E.—A. B., Stanford, 1910. —Interne, U. P. Infirmary, Baltimore.

Vanneman, Joseph Stephens—Ph. B., Dickinson, 1910.—Interne, Church Home & Infirm., Baltimore.

Van Valzah, Laurie—A. B., Oregon, 1910. Interne, So. Pacific Hosp., San Francisco.

Venable, John Manning — A. B., North Carolina, 1910, and Med. Dept., 1910-1912.—Interne, St. Luke's Hosp., New York.

Webb, Joseph—A. B., Wittenberg, 1910. —Resident House Officer.

Webb, Roscoe Clayton—A. B., Minnesota, 1911.—Interne, N. Y. Hosp., New York.

Webster, Jerome Pierce—A. B., Trinity (Ct.), 1910.—Resident House Officer.

Wilson, Harry Eugene—A. B., St. John's, 1910.—Asst. to Dr. Long, Greensboro Hosp., N. C.

Wolff, Sylvain Beer — S. B., Louisiana State, 1910.—Interne, Bellevue Hosp., New York.

Wood, Evans Beauchamp — S. B., Ala. Polytech., 1907, and M. S., 1908.—Interne, Lakeside Hosp., Cleveland.

Woods, Alan Churchill—A. B., 1910.—Interne, Peter Bent Brigham Hosp., Boston.

Wynne, Herbert Maxwell Nash—S. B., Bethany, 1906, and A. M., 1907; Grad. Student, Ohio State, 1909.—Resident House Officer.

Zadek, Isadore—S. B., Ala. Polytech., 1910.—Resident House Officer.

Places of Residence of the Graduates in Medicine of the Johns Hopkins University

Alabama:

Birmingham, ... 8

R. T. Comer, '01.
K. W. Constantine, '05.
C. E. Dowman, '05.
H. Ginsburg, '10.
F. A. Lupton, '99.
E. M. Mason, '06.
C. H. Moore, '13.
H. P. Shugerman, '08.

Clayton, ... 1

N. L. Winn, '06.

Decatur, ... 1

W. W. Dinsmore, '07.

Gadsen, ... 1

H. W. Bass, '06.

Mobile, ... 2

H. P. Cole, '06.
G. J. Winthrop, '06.

Montgomery, ... 1

P. B. Moss, '09.

Talladega, ... 1

W. L. Thornton, '10.

Alaska:

Ft. St. Michael, ... 1

T. L. Ferenbaugh, '09.

Arizona:

Phoenix, ... 2

C. B. Palmer, '7.
F. H. Redewill, '06.

Tucson, ... 1

J. I. Butler, '01.

Arkansas:

Hot Springs, ... 1

J. H. Chestnutt, '07.

California:

Berkeley, ... 3

C. L. Williams, '02.
G. Y. Rusk, '06.
H. S. Thomson, '09.

Hemet, ... 1

D. H. Morse, '10.

Los Angeles, ... 15

F. C. Ainley, '06.
W. V. Brem, '04.
C. Burnside, '07.
A .B. Cecil, '09.
J. L. Choate, '10.
R. L. Cunningham, '07.
F. C. Davis, '00.
E. C. Fishbaugh, '13.
H. M. Gallagher, '11.
R. F. Hastreiter, '01.
W. C. McKee, '13.
C. L. Magee, '99.
F. S. Ray, '08.
L. E. Ray, '08.
R. R. Rea, '06.

Palo Alto, ... 1

C. D. Mosher, '00.

Sacramento, ... 2

C. M. Faris, '05.
F. F. Gundrum, '08.

San Diego, ... 1

R. S. Carter, '10.

San Francisco, ... 27

H. W. Allen, '00.
E. Bronson, '13.
E. E. Brownell, '99.
J. V. Cooke, '08.
A. C. Eaton, '14.
A. L. Fisher, '00.
S. L. Haas, '08.
H. Harris, '99.
G. W. Hartman, '07.
W. B. Hetfield, '11.
C. W. Hooper, '14.
S. Hyman, '02.
A. G. Lyle, '02.
R. H. Major, '10.
A. H. Morse, '06.
R. Patek, '06.
J. P. Pratt, '10.
E. Rosencrantz, '04.
M. Silverberg, '02.
J. M. Slemons, '01.
H. A. Stephenson, '10.
J. Van Denburgh, '02.
L. Van Valzah, '14.
E. M. Watters, '13.
G. H. Whipple, '05.
H. I. Wiel, '05.
J. M. Wolfsohn, '11.

Santa Monica, ... 1

E. L. Crispin, '06.

Stanford University, ... 4
C. F. de Angulo, '11.
J. de Augulo, '11.
W. H. Manwaring, '04.
A. W. Meyer, '05.

University of California, 1
F. P. Gay, '01.

Colorado:

Colorado Springs, ... 4
G. B. Gilbert, '07.
W. W. Williams, '99.
J. R. Stewart, '09.
S. W. Schaefer, '09.

Denver, ... 3
H. G. Garwood, '04.
C. B. Ingraham, Jr., '06.
M. Long, '03.

Connecticut:

Hartford, ... 19
J. L. Birdsong, '09.
H. N. Costello, '10.
G. W. Cox, '11.
C. D. Deming, '10.
E. A. Deming, '08.
C. A. Downs, '14.
W. Dwyer, '13.
W. L. Gills, '12.
A. H. Griswold, '06.
T. N. Hepburn, '05.
J. E. Hutchinson, '14.
H. G. Jarvis, '10.
W. H. Licht, '11.
H. A. Martelle, '05.
H. C. Russ, '06.
W. R. Steiner, '98.
D. W. Tracy, '08.
R. L. Waite, '09.
E. A. Wells, '01.

Litchfield, ... 1
C. H. Turkington, '07.

Middletown, ... 1
H. Rinde, '08.

Montrose, ... 1
R. W. Nichols, '12.

New Britain, ... 1
C. H. Travis, '03.

New Haven, ... 6
H. G. Barbour, '10.
J. W. Churchman, '02.
J. M. Flint, '00.
D M. Lewis, '01.
R. F. Rand, '00.
H. M. Steele, '02.

Norwich, ... 1
P. J. Cassidy, '98.

Stepney, ... 1
G. A. Smith, '07.

Thompsonville, ... 1
T. E. Vail, '11.

Terryville, ... 1
H. B. Woodward, '12.

West Haven, ... 1
R. D. Clarke, '08.

Delaware:

Laurel, ... 1
J. R. Elliott, '09.

Wilmington, ... 1
W. E. Bird, Jr., '11.

District of Columbia:

Washington, ... 29
K. B. Bogle, '14.
J. B. Briggs, '02.
G. D. Chunn, '13.
J. Dunlop, '02.
W. G. Erving, '02.
H. A. Fowler, '01.
N. D. Graham, '01.
R. M. Grimm, '08.
M. Hahn, '07.
H. H. Hazen, '06.
H. M. Kaufman, '01.
H. L. Kelley, '07.
A. H. Kimball, '02.
W. E. H. Krechting, '06.
L. C. Lehr, '02.
J. W. Lindsay, '08.
E. Lootz (Erving), '02.
C. N. McBryde, '97.
J. F. Mitchell, '97.
E. L. Morgan, '11.
H. P. Parker, '01.
P. Preble, '07.
E. H. Reede, '02.
W. F. M. Sowers, '00.
R. R Spencer, '13.
L. E. Stubbs, '14.
L. Tayler-Jones, '03.
A. W. Williams, '12.
F. T. Williams, '12.

Florida:

Jacksonville, ... 10
G. Day, '06.
J. E. Gammon, '12.
H. Hanson, '08.
G. R. Holden, '01.
E. M. L'Engle, '02.
E. L. Lowell (Stevens), '00.
W. S. Manning, '03.
J. H. Randolph, '04.
C. P. Rogers, '02.
I. C. Youmans, '09.

Plant City..... 1
R. Duffy, '02.

Zolfo, ... 1
J. R. Frow, '08.

Georgia:

Athens, ... 2
D. H. DuPree, '07.
J. A. Hunnicutt, '11.

Atlanta, ... 7
M. L. Boyd, '07.
W. M. Dunn, '11.
L. M. Gaines, '03.
J. E. Paullin, '04.
C. M. Remsen, '04.
C. A. Rhodes, '04.
W. F. Shallenberger, '07.

Augusta, ... 2
W. D. Cutter, '05.
W. C. Kellogg, '00.

Macon, ... 2
J. R. B. Branch, '08.
M. D. Council, '11.

Savannah, ... 5
V. H. Bassett, '03.
W. R. Dancy, '00.
C. C. Hinton, '13.
M. Weinberg, '10.
W. S. Wilson, '04.

Thomson, ... 1
B. F. Riley, '03.

Waycross, ... 1
L. Howard, '13.

Hawaii:

W. D. Baldwin, '01.

Idaho:

Council, ... 1
C. E. Watson, '10.

Chicago, ... 12
R. B. Bettman, '14.
C. F. Bookwalter, '10.
D. F. Cameron, '13.
L. Gerdine, '13.
H. F. Helmholtz, '06.
L. L. Iseman, '06.
P. Kyes, '00.
F. W. Lynch, '99.
W. B. McClure, '12.
M. J. Rubel, '01.
P. M. Stetler, '13.
S. Strouse, '06.

Evanston, ... 2
P. O. Owsley, '99.
G. R. Henry (Dick), '07.

Havana, ... 1
C. H. Stubenrauch, '07.

Jacksonville, ... 1
E. G. Dewey, '03.

Kankakee, ... 1
C. Ricksher, '05.

Mattoon, ... 1
W. G. Wallace, '09.

Peoria, ... 1
J. H. Bacon, '04.

Urbana, ... 1
J. H. Beard, '12.

Warsaw, ... 1
R. T. Edwards, '04.

Indiana:

Anderson, ... 1
T. M. Jones, '02.

Evansville, ... 1
H. W. Little, '00.

Fort Wayne, ... 2
B. M. Edlavitch, '10.
H. M. Senseny, '10.

Indianapolis, ... 7
R. M. Bruns, '02.
H. L. Conner, '10.
C. P. Emerson, '99.
W. D. Gatch, '07.
E. B. Mumford, '05.
J. V. Reed, '04.
A. L. Walters, '12.

Linton, ... 1
A. A. Thomas, '08.

Madison, ... 1
A. P. Harrison, '07.

Iowa:

Atlantic, ... 1
M. Emmert, '09.

Cedar Rapids, ... 1
J. Crawford, '09.

Davenport, ... 1
J. T. Haller, '05.

Mt. Vernon, ... 1
F. F. Ebersole, '06.

Tama, ... 1
V. B. Appleton, '06.

Kansas:

Lawrence, ... 1
J. Sundwall, '12.

Kentucky:

Harrodsburg, ... 1
C. B. Van Arsdall, '02.

Lexington, ... 2
J. D. Hunt, '06.
W. S. Wyatt, '09.

Louisville, ... 3
L. K. Baldauf, '05.
J. V. Bedinger, '05.
E. D. Grant, '11.

Shelbyville, ... 1
A. C. Weakley, '12.

Louisiana:

New Orleans, ... 1
R. B. Bean, '04.

Maine:

Bangor, ... 2
L. Adams, '11.
B. Hunt, '11.

Foxcroft, ... 1
C. C. Hall, '10.

Portland, ... 2
W. B. Moulton, '03.
P. P. Thompson, '06.

Maryland:

Annapolis, ... 2
J. A. Bass, '09.
D. C. Walton, '09.

Baltimore, ... 183
R. T. Abercrombie, '05.
C. R. Austrian, '09.
W. S. Baer, '98.
F. H. Baetjer, '01.
W. A. Baetjer, '09.
G. A. Batten, '14.
S. Bayne-Jones, '14.
M. Belt, '14.
J. M. Bergland, '04.
B. M. Bernheim, '05.
A. L. Bloomfield, '11.
T. R. Boggs, '01.
E. W. Bridgman, '12.
T. R. Brown, '97.
B. B. Browne, Jr., '02.
H. Brülle, '00.
N. H. Brush, '14.
H. W. Buckler, '99.
C. F. Burnam, '00.
C. M. Byrnes, '06.
N. M. Canter, '13.
F. P. Carroll, '14.
D. B. Casler, '04.
H. W. Cave, '13.
H. L. Cecil, '13.
B. S. Chaffee, '12.
T. R. Chambers, '10.
J. A. Chatard, '03.
M. Clark, '14.
H. D. Clarke, '13.
P. W. Clough, '07.
J. Cohen, '12.
H. T. Collenberg, '10.
J. A. C. Colston, '11.
E. V. Coolahan, '08.
W. B. Cornell, '03.
G. W. Corner, '13.
R. H. Crawford, '14.
S. J. Crowe, '08.
W. E. Dandy, '10.
D. Davis, '13.
D. M. Davis, '11.
E. G. Davis, '12.
J. S. Davis, '99.
S. A. Dodds, '05.
G. C. Dohme, '02.
J. C. Donaldson, '14.
H. B. Dornblaser, '14.
W. C. Duffy, '14.
W. M. Dumm, '12.
G. R. Dunn, '14.
C. R. Essick, '09.
F. A. Evans, '14.
H. M. Evans, '08.
R. Fayerweather, '03.
J. S. Fischer, '03.
W. A. Fisher, '00.
L. N. Fleming, '14.
M. Flexner, '14.
R. H. Follis, '99.
W. W. Ford, '98.
W. M. Fricke, '12.
H. Fried, '11.
W. A. Frontz, '11.
J. T. Geraghty, '03.
E. W. Goodpasture, '12.
H. S. Greenbaum, '04.
W. L. Grimes, '10.
C. G. Guthrie, 07.
R. F. Hain, '14.
R. W. Hall, '12.
L. P. Hamburger, '97.
L. V. Hamman, '01.
H. H. Hampton, '14.
F. Hazlehurst, '07.
E. S. Hendry, '11.
G. J. Heuer, '07.

F. Hinman, '06.
L. K. Hirshberg, '02.
M. A. Hodge, '14.
J. B. Holmes, '12.
W. R. Holmes, '13.
D. R. Hooker, '05.
G. L. Hunner, '97.
E. H. Hutchins, '06.
E. Jelks, '13.
A. Keidel, '03.
N. M. Keith, '11.
C. S. Ketcham, '14.
L. W. Ketron, '11.
R. F. Kieffer, '13.
J. H. King, '06.
J. T. King, '14.
J. H. M. Knox, '98.
S. P. Law (Mrs. McGlannan), '07.
C. A. Laubach, '13.
M. Lazenby, '03.
V. N. Leonard, '11.
E. J. Leopold, '05.
R. L. Levy, '13.
W. H. Lewis, '00.
H. H. Loos, '12.
J. A. Luetscher, '99.
J. C. Lyman, '13.
R. D. McClure, '08.
M. A. Maas, '11.
D. I. Macht, '06.
N. C. Marvel, '14.
R. W. B Mayo, '08.
W. L. Millea, '12.
J. R. Miller, '11.
S. R. Miller, '10.
L. D. Minsk, '13.
W. H. Morriss, '12.
J. C. Neel, '10.
W. Neill, Jr., '12.
W. E. Nesbit, '13.
G. C. Ney, '08.
F. K. Nichols, '10.
J. A. O'Donnell, '11.
J. K. Ormond, '14.
O. B. Pancoast, '97.
W. T. Parsons, '07.
E. M. Girdwood (Peirce), '09.
G. Peirce, '07.
I. R. Pels, '06.
C. A. Penrose, '97.
E. L. Pessagno, '07.
M. C. Pincoffs, '12.
E. D. Plass, '11.
J. H. Pleasants, '99.
F. G. Porter, '08.
L. T. Post, '13.
G. F. Powers, '13.
L. H. Redelings, '14.
J. D. Reichard, '14.
M. R. Reid, '12.
H. I. Reynolds, '12.
E. H. Richardson, '05.
A. Robinson, '14.
S. Rosenheim, '99.
A. S. Rothholz, '14.
F. R. Sabin, '00.
E. P. Sandrock, '07.
H. C. Schmeisser, '12.
R. B. Seem, '06.
A. W. Sellards, 09.
R. O. Sellman, '12.
J. H. Sewell, '14.
R. L. Silvester, '14.
W. K. Skilling, '11.
H. R. Slack, Jr., '12.
F. J. Smith, '13.
W. H. Smith, '03.
L. C. Spencer, '11.
T. Stearns, '12.
T. P. Sprunt, '09.
T. Starr, '12.
H. N. Stevenson, 2d, '12.
G. A. Stewart, '11.
H. B. Stone, '06.
D. C. Streett, '12.
E. R. Strobel, '99.
G. L. Taneyhill, Jr., '04.
M. H. Todd, '13.
C. B. Towles, '05.
A. J. Underhill, '01.
O. E. Utzinger, '14.
J. S. Vanneman, '14.
C. W. Vest, '08.
L. H. Watkins, '09.
C. H. Watt, '12.
L. H. Weed, '12.
J. Webb, '14.
J. P. Webster, '14.
P. Wegefarth, '12.
J. Scott Willock, '04.
H. Watson (Winternitz), '10.
M. C. Winternitz, 07.
S. Wolman, '06.
H. M. N. Wynne, '14.
G. H. Woltereck, '09.
I. Zadek, '14.

Cumberland, ... 1
J. H. Wilson, '08.

Easton, ... 1
A. M. Stevens, '11.

Hagerstown, ... 1
P. Wroth, '06.

Manchester, ... 1
W. R. S. Denner, '08.

Princess Anne..... 1
H. M. Lankford, '05.

Sanatorium, ... 1
V. F. Cullen, '06.

Massachusetts:

Arlington, ... 1
H. R. Webb, '06.

Boston, ... 37
A. W. Allen, '13.
E. G. Birge, '07.
J. B. Boehm, '14.
E. S. duBray, '14.
L. H. Burlingham, '06.
D. W. Carter, Jr., '14.
H. A. Christian, '00.
H. S. Colwell, '14.

E. F. Ducasse, '14.
J. F. Grant, '03.
E. G. Grey, '11.
E. Goetsch, '09.
E. Hale (Swift), '05.
G. W. Hall, '01.
G. Horrax, '13.
S. H. Hurwitz, '12.
H. T. Hutchins, '03.
W. D. Jack, '14.
C. Jacobson, '11.
H. W. Marshall, '04.
H. G. Myrick, '00.
J. H. Pratt, '98.
C. W. Rand, '12.
S. Rushmore, '02.
J. L. Sherrick, '14.
W. R. Sisson, '12.
C. N. Spratt, '01.
R. P. Strong, '97.
C. B. Thompson, '13.
W. L. Thompson, '04.
F. H. Verhoeff, '99.
C. B. Walker, '11.
J. C. Walker, '09.
S. H. Watkins, '13.
E. M. Watson, '13.
A. C. Woods, '14.
W. W. Young, '13.

Cambridge, ... 2

M. F. Austin (Southard), '04.
H. L. Langnecker, '06.

Fall River..... 2

E. S. Chace (Herbert), '01.
M. W. Marvel, '00.

Greenfield, ... 1

W. K. Clarke, '08.

New Bedford, ... 1

G. Marsden, '06.

Salem, ... 1

E. K. Burbeck, '07.

Waltham, ... 1

O. L. Dascombe, '05.

Worcester, ... 2

M. E. Morse, '03.
E. M. Rockwood, '14.

Weston, ... 1

A. M. Ballou (Eliot), '05.

Michigan:

Ann Arbor, ... 4

A. H. Beifeld, '07.
A. W. Hewlett, '00.
C. D. Partridge, '07.
U. J. Wile, 07.

Benton Harbor..... 1

W. P. Morrill, '08.

Detroit, ... 10

J. R. Carr, '04.
G. L. Connor, '01.
R. Connor, '01.
N. S. Ferry, '02.
J. H. Hathaway, '01.
C. R. Meloy, '06.
H. W. Plaggemeyer, '07.
B. R. Schenck, '98.
F. J. Sladen, '06.
H. N. Torrey, '06.

Kalamazoo, ... 1

B. N. Epler, '99.

Minnesota:

Duluth, ... 2

A. L. McDonald, '05.
J. A. Winter, '06.

Fergus Falls..... 1

K. J. Lee, '04.

Keewatin, ...1

C. F. Carstens, '08.

Minneapolis, ... 7

H. W. Cook, '02.
A. D. Hirschfelder, '03.
A. E. Johann, '10.
A. W. Morrison, '10.
M. P. Simis (Ulrich), '01.
H. L. Ulrich, '01.
C. B. Wright, '02.

Rochester, ... 5

E. F. Butler, '10.
H. Z. Giffin, '04.
W. C. MacCarty, '04.
J. I. Scarborough, '08.
E. D. Simpson, '12.

St. Paul, ... 1

F. Grave, '14.

Missouri:

Columbia, ... 3

E. R. Clark, '07.
D. H. Dolley, '02.
F. A. Martin, '14.

Deering, ... 1

D. W. Luten, '11.

Kansas City..... 5

C. H. Bryant, '08.
W. W. Duke, '08.
T. S. Englar, '14.
E. H. Schorer, '06.
H. F. Vanorden, '10.

St. Joseph, ... 1
C. A. Potter, '11.

St. Louis, ... 24
F. M. Barnes, '07.
B. Brooks, '11.
W. M. C. Bryan, '02.
J. R. Caulk, '06.
G. S. Drake, '01.
J. Erlanger, '99.
A. O. Fisher, '09.
R. F. Fisher, '12.
M. A. Frankenthal, '02.
H. H. Hagen, '13.
F. M. Hanes, '08.
R. Hopkins, '03.
G. Ives, '11.
P. C. Jeans, '09.
H. McCulloch, '12.
H. Lisser, '11.
J. Meyer, '14.
W. H. Olmsted, '13.
E. L. Opie, '97.
M. H. Post, Jr., '12.
G. C. Robinson, '03.
E. Sachs, '04.
J. C. Salter, '01.
H. J. Storrs, '04.

Montana:

Butte, ... 3
C. H. Horst, '02.
A. Karsted, '02.
C. McGill, '14.

Great Falls, ... 1
W. S. Bole, '10.

Nebraska:

Hastings, ... 1
J. R. Blackman, '06.

Omaha, ... 3
H. L. Connett, '09.
M. Langfeld, '98.
O. T. Schultz, '03.

Nevada:

Tonopah, ... 1
P. J. McDonnell, '08.

New Hampshire:

Exeter, ... 1
R. S. Perkins, '11.

New Jersey:

Atlantic City..... 1
C. L. Andrews, '12.

Franklin Furnace..... 1
F. G. Wilbur, '06.

Montclair, ... 2
J. A. Caldwell, '04.
F. G. Porter, '08.

Orange, ... 4
C. T. Brown, '07.
T. W. Harvey, '09.
K. Porter, '98.
E. N. Riggins, '02.

Somerville, ... 1
R. F. Hegeman, '10.

Trenton, ... 1
C. B. Farrar, '00.

New Mexico:

Taos, ... 1
M. B. Walker (Williams), '01.

New York:

Albany, ... 7
J. M. Berry, '01.
E. B. Carter, '11.
A. W. Elting, '98.
L. W. Gorham, '10.
F. M. Meader, '09.
J. A. Sampson, '99.
C. K. Winne, '01.

Auburn, ... 1
H. I. Davenport, '05.

Binghampton, ... 2
A. S. Chittenden, '00.
M. J. Ross, '07.

Brooklyn, ... 14
W. S. Bennett, '11.
G. E. Brockway, '11.
J. T. Flanagan, '08.
H. L. Gray, '06.
I. P. Heymann, '13.
C. C. Kelly, '14.
L. A. Lynch, '03.
W. H. Maddren, '01.
R. E. Moore, '06.
J. F. Morrison, '04.
C. E. Rynd, '11.
P. B. Sarason, '12.
B. T. Terry, '04.
B. E. Wolfort, '06.

Buffalo, ... 10
H. Adsit, '06.
J. L. Butsch, '12.
A. H. Clark, '03.
W. H. Glenny, '02.
F. C. Goldsborough, '03.
J. S. Lewis, '06.
I. P. Lyon, '97.
J. S. McFarland, '02.
W. L. Moss, '05.
G. T. Tyler, '04.

Clifton Springs..... 3

J. S. Brotherhood, '08.
F. R. Crawford, '11.
S. T. Nicholson, Jr., '10.

Portland, ... 3

R. P. Higgins, '05.

Eastwood, ... 1

R. H. Dunning, '11.

Fort Hamilton..... 1

J. R. Bosley, '01.

Glens Falls..... 1

M. L. Haviland, '02.

Ithaca 1

C. W. Webb, '09.

Kingston 1

R. Sanderson, '10.

Liberty, ... 1

H. B. Neagle, '03.

Loomis, ... 1

C. W. Mills, '08.

Long Island City..... 1

S. A. Marshall, '02.

New Brighton, ... 1

C. R. Kingsley, '09.

New Rochelle, ... 1

O. H. Schell, '04.

New York, ... 90

D. B. Andrews, '13.
E. M. Armstrong, '10.
J. Auer, '02.
F. W. Bancroft, '06.
P. M. Bogart
(Mrs. Van Voast), '06.
J. R. Booth, '11.
C. T. Brown, '07.
W. H. Brown, '07.
M. T. Burrows, '09.
A. M. Chesney, '12.
R. I. Cole, '99.
R. J. Cook, '13.
T. K. Davis, '13.
B. S. Denzer, '10.
T. A. Devan, '10.
A. R. Dochez, '07.
R. M. Dodson, '14.
A. G. Fechtig, '14.
J. G. Fergusson, '14.
N. B. Foster, '02.
W. R. Frantz, '12.
F. L. Gates, '13.
R. C. Hall, '14.
T. W. Hastings, '98.
W. H. Hawkins, '11.
W. P. Healy, '00.
R. W. Hellenbrand, '07.
E. S. Hellweg, '07.
J. Hemenway
(Mrs. J. H. Kenyon), '04.
M. C. Hill, '08.
J. M. Hitzrot, '01.
J. G. Hopkins, '07.
A. Hubert, '11.
J. H. Huddleson, '13.
N. B. Jenison, '11.
W. F. Jones, '14.
T. S. Keyser, '11.
B. S. Kline, '11.
W. M. Kraus, '13.
L. B. Lange, '11.
G. U. Light, '98.
E. E. Lindemann, '08.
H. D. Long, '03.
W. T. Longcope, '01.
W. G. Lough, '12.
O. S. Lowsley, '12.
R. G. McAliley, '11.
W. G. MacCallum, '97.
J. T. MacCurdy, '11.
B. Mann, '09.
A. F. Mattice, '10.
C. Meltzer (Auer), '00.
N. Mills, '12.
D. E. Monroe, '10.
J. J. Morton, '13.
A. P. Munn, '13.
J. B. Murphy, '09.
L. Pearce, '12.
F. L. Paschal, '13.
S. I. Rainforth, '03.
C. D. Reid, '12.
M. Rohde, '12.
F. P. Rous, '05.
A. Rucker, '11.
H. Saltzstein, '14.
D. M. Sawyer, '11.
O. M. Schloss, '05.
A. R. Scott, '13.
M. B. Sponsler, '11.
A. R. Stevens, '03.
E. Stillman, '11.
H. R. Stone, '04.
A. Strauss, '12.
H. C. Thacher, '06.
W. H. Thalheimer, '08.
J. R. Turner, Jr., '13.
J. M. Venable, '14.
F. C. Wagenhals, '13.
E. E. Walker, '98.
G. W. Warren, '01.
B. F. Weems, '13.
M. Warren, '00.
R. C. Webb, '14.
D. B. Wells, '12.
I. K. Wiener, '11.
N. H. Williams, '13.
E. B. Wolf, '12.
S. B. Wolff, '14.
J. A. Wood, '12.
J. L. Zimmerman, '13.

Ogdensburg, ... 1

R. L. Stacy, '08.

Olean, ... 1
R. B. Morris, '10.

Otisville, ... 1
W. H. White, 07.

Port Chester, ... 1
G. Sands, '98.

Poughkeepsie, ... 1
E. C. Hill, '07.

Rochester, ... 6
S. J. Appelbaum, '08.
W. A. Calihan, '10.
C. W. Hennington, '06.
C. L. Hincher, '07.
N. G. Orchard, '07.
H. S. Schumacher, '07.

Roslyn, L. I., ... 1
J. K. Worthington, '08.

Saranac Lake, ... 4
L. Brown, '00.
A. K. Krause, '07.
J. L. Nichols, '97.
F. B. Trudeau, '13.

Schaghticoke, ... 1
A. E. Beale, '00.

Syracuse, ... 4
O. H. Cobb, '06.
A. Dutcher, '01.
M. C. Newkirk, '13.
H. S. Steensland, '99.

Troy, ... 2
H. W. Carey, '01.
H. P. Sawyer, '06.

Utica, ... 5
F. H. Church, '06.
T. W. Clarke, '02.
J. W. W. Dimon, '09.
F. R. Ford, '05.
F. P. Owens, '07.

White Plains, ... 2
M. L. Frazee, '14.
H. W. Smith (Brown), 11.

Yonkers, ... 2
R. B. Scofield, '07.
W. J. Vogeler, '04.

North Carolina:

Asheville, ... 1
F. W. Griffith, '06.

Charlotte, ... 1
A. G. Brenizer, '08.

Durham, ... 1
M. T. Adkins, '07.

Fort Caswell, ... 1
E. S. Moore (McKinney), '01.

Greensboro, ... 3
W. F. Cole, '09.
H. H. Ogburn, '13.
H. E. Wilson, '14.

Laurinburg, ... 1
R. Duffy, '02.

Raleigh, ... 1
C. A. Shore, '07.

Salisbury, ... 1
H. H. Newman, '13.

Spray, ... 1
R. E. Flack, '13.

Wake Forest, ... 1
H. D. Taylor, '14.

Wilmington, ... 4
J. Akerman, '00.
W. S. Keister, '14.
J. J. S. Schmitt, '14.
R. B. Slocum, '05.

Winston-Salem, ... 2
E. P. Gray, '06.
A. deT. Valk, '10.

North Dakota:

Fargo, ... 1
M. P. Rindlaub, '05.

Grand Forks, ... 1
L. D. Bristol, '07.

Willow City, ... 1
H. L. Youtz, '05.

Ohio:

Bucyrus, ... 1
W. G. Carlisle, '13.

Canton, ... 1
C. A. LaMont, '08.

Cincinnati, ... 5

W. F. Jelke, '02.
E. F. Malone, '07.
M. E. Nast (Wherry), '06.
W. O. Pauli, '07.
P. G. Woolley, '00.

Cleveland, ... 26

M. B. Bonta, '04.
G. A. Bowers, '12.
C. C. Brown, '12.
M. Y. Dabney, '12.
W. D. Fullerton, '11.
F. A. Glass, '12.
H. Hempstead, '05.
J. H. Hewitt, '06.
L. F. Huffman, '14.
A. F. Hutchins, '13.
L. W. Ladd, '99.
S. L. Ledbetter, '10.
D. Marine, '05.
H. W. Masenhimer, '08.
R. E. Mosiman, '14.
R. G. Perkins, '98.
M. L. Richardson, '13.
W. B. Rogers, '10.
R. J. Shale, '12.
L. B. Sherry, '14.
H. G. Sloan, '06.
J. T. Smith, '07.
C. W. Stone, '05.
H. L. Taylor, '10.
H. R. Wahl, '12.
E. B. Woods, '14.

Columbus, ... 3

J. J. Coons, '02.
J. W. Sheetz, '10.
L. V. Zartman, '10.

Jefferson, ... 1

H. Dudley, '03.

Oxford, ... 1

H. M. Moore, '99.

Springfield, ... 1

C. L. Jones, '03.

Toledo, ... 5

C. H. Pelton, '12.
L. F. Smead, '05.
C. G. Souder, '07.
R. L. Schultz, '12.
A. L. Steinfeld, '01.

Youngstown, ... 1

H. C. Evans, '00.

Oklahoma:

Guthrie, ... 1

F. Y. Cronk, '07.

Oregon:

Ontario, ... 1

W. J. Weese, '11.

Portland, ... 8

T. H. Coffen, '06.
H. B. Fenton, '10.
W. H. Norton, '11.
J. F. Ortschild, '06.
A. S. Rosenfeld, '11.
J. W. Rosenfeld, '10.
L. Selling, '08.
O. B. Wight, '02.

Panama:

Ancon, ... 1

A. B. Herrick, '98.

Panama City, ... 2

W. H. Michael, '13.
C. M. Winn, '11.

Pennsylvania:

Bethlehem (South), ... 1

W. L. Estes, '09.

Bradford, ... 1

P. R. Straight, '06.

Erie, ... 2

B. S. Putts, '06.
T. P. Tredway, '10.

Greencastle, ... 1

T. H. Gilland, '11.

Hanover, ... 2

J. E. Meisenhelder, '02.
E. W. Stick, '09.

Harrisburg, ... 1

R. F. L. Ridgway, '06.

Johnstown, ... 1

D. P. Ray, '07.

Lancaster, ... 1

M. W. Emrick, '14.

Lebanon, ... 1

G. R. Pretz, '09.

Newville, ... 1

P. W. McLaughlin, '07.

Philadelphia, ... 17

W. H. Blakeslee, '01.
D. Child, '14.
F. C. Child, '09.
H. H. Dignan, '13.
O. C. Foote, '12.
M. Herrington, '06.
R. Ingraham, '14.
S. D. Ludlum, '02.
B. B. V. Lyon, '07.
J. H. Oppenheimer, '08.
D. B. Pfeiffer, '06.
A. Randall, '07.
C. W. Riley, '07.
F. E. Shaffer, '14.
A. W. Tallant, '02.
L. Tuttle, '07.
D. Williams, '02.

Pittsburgh, ... 18

M. H. Baker, '10.
T. Baker, '04.
L. C. Bixler, '03.
A. A. Bornscheuer, '13.
W. E. Carson, '07.
R. J. Cary, '12.
B. Z. Cashman, '09.
I. Davis, '14.
A. H. Eggers, '09.
C. W. W. Elkin, '13.
H. B. Gardner, '14.
C. C. Hartman, '11.
W. Marshall, '03.
E. A. Miller, '12.
R. T. Miller, '03.
J. S. Plumer, '14.
P. R. Sieber, '11.
R. R. Snowden, '11.

Pottsville, ... 1

M. B. Kingsbury, '06.

Royersford, ... 1

H. Graber, '07.

Washington, ... 1

W. E. Hart, '09.

Wilkes-Barre, ... 1

S. D. Wyckoff, '99.

Wilkinsburg, ... 1

J. H. Whitcraft, '10.

York, ... 3

C. H. May, '08.
E. W. Meisenhelder, '02.
L. S. Weaver, '04.

Philippine Islands:

Manila, ... 6

H. Beeuwkes, '06.
H. D. Bloombergh, '01.
E. R. Gentry, '09.
P. K. Gilman, 05.
R. W. Hammack, '11.
F. Schmitter, '03.

Rhode Island:

Arnold Mills, ... 1

M. S. Packard, '97.

Providence, ... 11

F. D. Bullock, '07.
C. E. Connor, '14.
F. A. Coughlan, '08.
M. S. Danforth, '05.
F. T. Fulton, '99.
C. F. Graham, '13.
W. C. Haupt, '14.
H. J. Hoye, '99.
J. A. McCann, '08.
W. D. Reddish, '13.
E. A. Stone, '00.

South Carolina:

Aiken, ... 1

E. S. Cross, '06.

Columbia, ... 3

E. Cooper, '10.
J. H. Gibbs, '12.
H. M. Smith, '01.

South Dakota:

Pierre, ... 1

T. F. Riggs, '03.

Tennessee:

Chatanooga, ... 1

H. Q. Fletcher, '09.

Knoxville, ... 1

W. T. de Sautelle, '11.

Memphis, ... 2

L. W. Haskell, '03.
R. E. Semmes, '10.

Nashville, ... 1

C. E. Brush, '03.

Texas:

Dallas, ... 1

W. J. Calvert, '98.

Corpus Christi, ... 1

J. D. Cohn, '11.

El Paso, ... 2

W. W. Waite, '06.
M. B. Wesson, '10.

Fort Clark, ... 1

C. D. Cowles, '05.

Fort Worth, ... 2
F. C. Beall, '06.
K. H. Beall, '05.

Gainesville, ... 1
E. L. Gilcreest, '10.

Galveston, ... 1
H. L. McNeil, '11.

Memphis, ... 1
W. Wilson, '04.

San Antonio, ... 2
R. I. Nixon, '09.
J. L. Robinson, '08.

Utah:

Salt Lake City, ... 1
A. J. Ridges, '08.

Vermont:

Bellows Falls, ... 1
I. H. Prouty, '11.

N. Bennington, ... 1
T. G. Orr, '10.

St. Johnsburg, ... 1
W. G. Ricker, '04.

Virginia:

Abingdon, ... 1
G. V. Litchfield, '02.

Charlottesville, ... 2
H. T. Marshall, '98.
S. H. Watts, '01.

Fairfax, ... 1
H. Fletcher, '00.

Norfolk, ... 3
G. E. Chinn, '03.
J. M. Love, '04.
W. B. Newcomb, '10.

Olney, ... 1
W. F. Kellam, '06.

Richmond, ... 8
S. W. Budd, '09.
A. W. Freeman, 05.
W. H. Higgins, '08.
G. A. L. Kolmer, '13.
K. E. Miller, '12.
R. S. Preston, '08.
M. P. Rucker, '03.
D. Vanderhoof, '05.

Roanoke, ... 6
J. B. Duncan, '14.
H. J. Hagan, '14.
B. E. Harrell, '14.
G. B. Lawson, '05.
H. R. McAllister, '12.
R. L. Rhodes, '10.

Washington:

Fort Flagler, ... 1
T. Lamson, '01.

Garfield, ... 1
G. M. MacGregor, '02.

Seattle, ... 10
K. E. Darrow, '13.
C. F. Davidson, '07.
H. J. Davidson, '05.
I. B. Green, '07.
E. C. Gross, '11.
E. R. Kelley, '06.
H. J. Knott, '11.
M. Seagrave, '11.
A. Shaw, '13.
L. S. Trask, '13.

Spokane, ... 1
H. H. Robinson, '10.

West Virginia:

Charleston, ... 1
G. H. White, Jr., '06.

Fairmont, ... 1
C. M. Ramage, '10.

Huntington, ... 1
W. R. Hudson, '11.

Morgantown, ... 1
J. N. Simpson, '02.

Stotesbury, ... 1
C. G. Merriam, '11.

Wheeling, ... 2
J. E. Burns, '08.
R. U. Drinkhard, '08.

Wisconsin:

Beloit, ... 1
E. B. Brown, '06.

Berlin, ... 1
A. J. Wiesender, '09.

Eau Claire, ... 1
H. F. Derge, '08.

Green Bay, ... 1
W. E. Leaper, '11.

Madison, ... 8

C. R. Bardeen, '97.
C. H. Bunting, '01.
P. M. Dawson, '98.
J. A. E. Eyster, '05.
A. S. Loevenhart, '03.
N. O. Nelson, '04.
D. M. Reed (Mendenhall), '07.
C. M. Sweet (Bunting), '01.

Marshfield, ... 1

W. G. Sexton, '11.

Menomine, ... 1

A. Egdahl, '04.

Milwaukee, ... 13

C. A. Baer, '05.
P. H. Dernehl, '07.
W. A. Fansler, '14.
F. J. Gaenslen, '03.
W. E. Grove, '08.
C. F. Hardy, '02.
A. C. Kissling, '11.
W. L. LeCron, '08.
J. D. Madison, '98.
F. O. W. Reinhard, '14.
L. M. Warfield, '01.
R. G. Washburn, '04.
J. L. Yates, '99.

Wyoming:

Sun Dance, ... 1

H. Jeidell, '12.

FOREIGN.

Arabia:

Kuwait, ... 1

P. W. Harrison, '08.

Austria:

Vienna, ... 1

M. S. Haynes (Leick), '02.

Canada:

Montreal, ... 3

W. W. Francis, '02.
L. J. Rhea, '05.
J. E. Stowers, '13.

Ymir, B. C., ... 1

G. E. Rehberger, '05.

China:

Changsha, ... 1

E. H. Hume, '01.

Chefoo, ... 1

R. W. Dunlap, '07.

Fen Cho fu, ... 1

P. T. Watson, '07.

Haichow, ... 2

R. Bennet (Morgan), '04.
L. S. Morgan, '04.

Hwai Yuen, ... 1

A. G. Murdoch, '06.

Nanking, ... 1

P. S. Evans, '99.

Peking, ... 2

A. E. Lee, '06.
C. W. Young, '02.

Shanghai, ... 1

H. S. Houghton, '05.

Swatow, ... 1

S. M. Grier (Lesher), '05.

France:

Paris, ... 1

E. E. Hume, '13.

Germany:

Berlin, ... 1

J. M. West, '01.

Munich, ... 1

R. A. Kocher, '12.

Marburg, ... 1

R. O. Fuerbringer, '08.

India:

Wai, ... 1

R. Fairbanks (Beals), '00.

Persia:

Dautababad, ... 1

M. D. Allen (Zoeckler), '10.

Tabriz, ... 1

M. R. Fleming, '12.

Siam:

Chiengmai, ... 1

E. C. Cort, '07.

Europe, ... 3

E. Boehm, '14.
R. D. Moyle, '14.
T. H. Wenning, '10.

PUBLICATIONS OF INSTRUCTORS AND GRADUATES OF THE JOHNS HOPKINS MEDICAL SCHOOL FOR THE YEAR 1913-1914

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